

INDEX TO
AMERICAN DOCTORAL
DISSERTATIONS

1959-1960

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INDEX TO
AMERICAN DOCTORS
DISSEMINATIONS

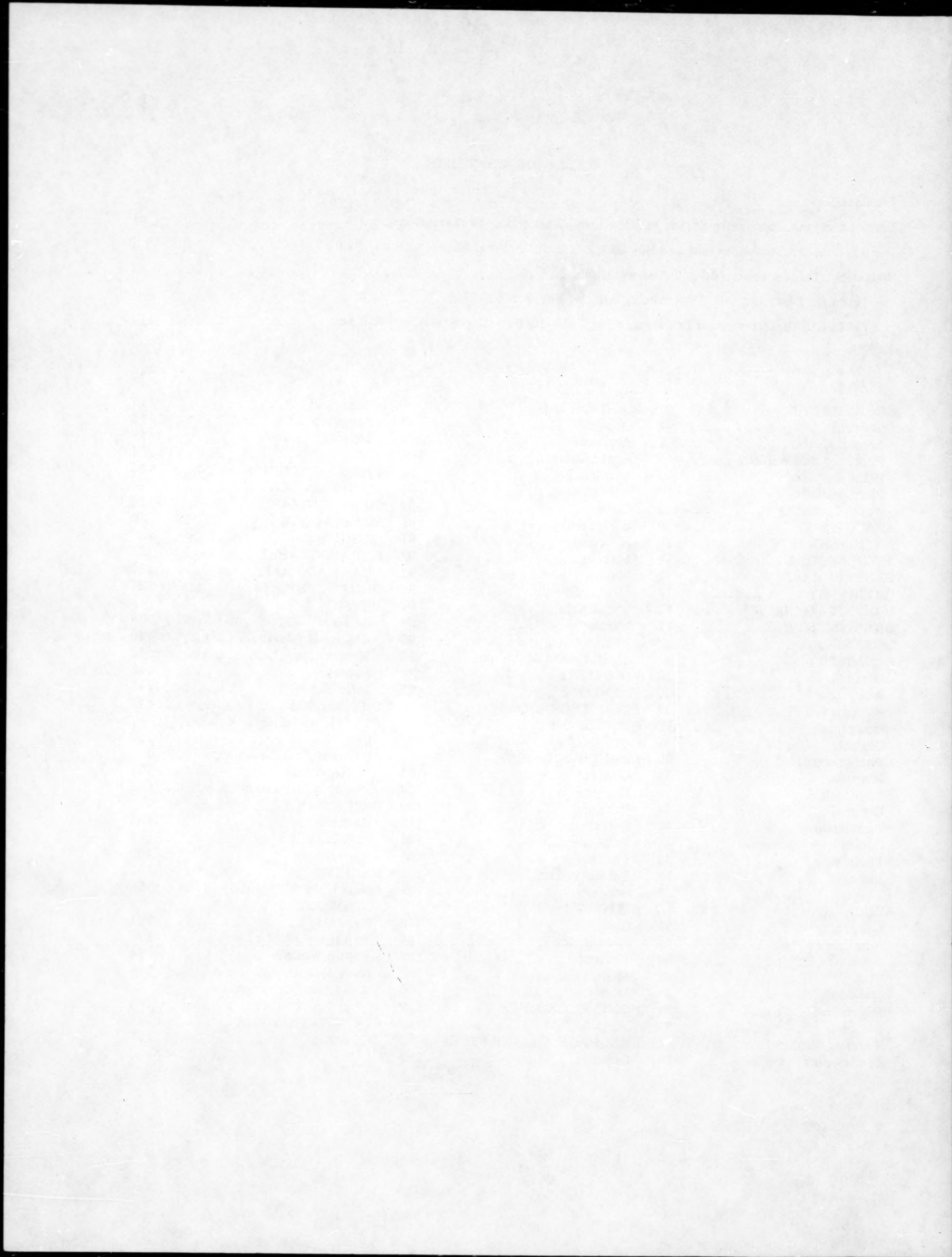
1954-1960

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INTRODUCTION

Each year an author index is published in the final issue of *Dissertation Abstracts* which includes those authors whose dissertations have been published on film by University Microfilms, or whose abstracts have been included in *Dissertation Abstracts*. The *Index to American Doctoral Dissertations* contains a listing of all dissertations accepted in American universities in partial fulfillment of the requirements for one of the doctoral degrees, regardless of whether the dissertation itself has been published or will be published in the future. Any institution whose dissertations have not been reported in this *Index* is invited to write to University Microfilms, Ann Arbor, Michigan, so that its listings may be included in future issues. This invitation is extended to Canadian institutions as well as to those in the United States.

During the academic year 1959-1960, 9927 doctoral dissertations were reported by American universities. This is an increase of 632 over the previous academic year, and again is a record number.

A check of the doctoral degrees granted, by broad subject fields, shows that the percentage of students in the various categories remains fairly constant from year to year. A ten-year summary of degrees granted is given below:

	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Philosophy	105	92	131	104	100	96	96	104	123	137
Religion	190	184	206	152	138	140	159	180	184	235
Physical Sciences	2183	2281	2410	2417	2397	2383	2331	2384	2833	2788
Earth Sciences	199	198	227	239	232	413	231	249	285	324
Biological Sciences	1932	2027	2338	2509	2480	2157	2146	2233	2084	2483
Social Sciences	2194	2160	2520	2745	2657	2649	2576	2813	2890	2956
Humanities	674	719	772	834	808	861	824	836	896	1004
Totals	7,477	7,661	8,604	9,000	8,812	8,699	8,363	8,799	9,295	9,927

Table II gives a more detailed distribution.

Following the List of Current University Serial Publications Abstracting Dissertations is Table I, which details the Practices of Publication and Loan of Doctoral Dissertations. Several of the institutions listed began cooperating in the publication of microfilmed dissertations and the abstracting of these in *Dissertation Abstracts* during the year. New participants in the cooperative project are:

- University of Denver
- Fordham University (including School of Education)
- University of Hawaii
- Institute of Paper Chemistry, affiliated with Lawrence College
- University of Miami
- New Mexico State University
- Princeton Theological Seminary
- University of Rhode Island
- State University of South Dakota

Table III gives the distribution of doctoral degrees granted, by university and subject. By comparing the 1959-1960 interests with those of previous years, small shifts in emphasis and the beginnings of trends can sometimes be noticed.

**LIST OF CURRENT UNIVERSITY SERIAL PUBLICATIONS
ABSTRACTING DISSERTATIONS**

- University of Arkansas Abstracts of dissertations presented in partial fulfillment of requirements for the Ph.D. and Ed.D. degrees, v. 1, (1959) 1953-1958
- Auburn University Abstracts of master's theses and doctor's dissertations. (Only issues since 1954-55 have included doctor's abstracts.) v. 1 (1946) 1929-1944
- Case Institute of Technology Research at Case: projects, thesis abstracts, faculty publications. v. 1, 1953-
- Catholic University of America Biological studies, abstract series, 1954-
Studies in economics, abstract series, 1951-
Studies in sociology, abstract series, 1951-
Studies in politics, government, and international law, 1953-
Philosophical studies. (In addition to abstract series number, abstracts are also given number of regular series.) 1953-
- University of Cincinnati, Teacher's
College Abstracts: graduate theses in education, v. 1- 1927/1931
- Clark University Dissertations and theses. Clark University Bulletin. v. 1- 1953-
- Clemson College Clemson College abstracts of theses. v. 1- 1960-
- Colorado State College Abstracts of field studies for the degree of doctor of education. v. 1- 1940-
- The University of Florida Abstracts in doctoral studies in education, v. 1- 1952-
- The General Theological Seminary Bulletin of The General Theological Seminary, June issue. v. 1- 1950-
- George Peabody College for Teachers Abstracts of dissertations for the year _____
- The George Washington University Summaries of doctoral dissertations, v. 1- 1925-1928-
- Georgia Institute of Technology Abstracts of theses (Issued by Georgia Institute of Technology, Graduate Division) v. 1- (1953) 1950/52
- Illinois Institute of Technology Publications of Illinois Institute of Technology, v. 1- 1952-
- Institute of Paper Chemistry,
affiliated with Lawrence College Abstract bulletin of the Institute of Paper Chemistry, v. 1- 1930-
- Massachusetts Institute of Technology Abstracts of theses accepted . . . for doctor's degree with a list of titles accepted for the engineer's degree and the master's degree. v. 1- 1951-
(Not published for 1954/55 1957/58.)
- Mississippi State University Abstracts of theses. v. 1- 1935-
- University of Missouri Abstracts of dissertations in education. v. 1- 1938-
- New York University, School of
Education Abstracts of theses submitted in partial fulfillment of the requirements for the degree of doctor of philosophy in the School of Education of New York University. 1930/1931-1950/1951-
- S.U.N.Y., College of Forestry at
Syracuse University Graduate theses 1944-54, v. 1, 1955
- North Carolina State College Faculty publications and research together with abstracts of doctoral dissertations and master's theses. v. 1- 1953-
- University of North Dakota Bulletin of the University of North Dakota, abstract series. v. 1- 1952-
- Ohio University Abstracts of theses and dissertations, v. 1- 1939-
(Devoted to master's theses until 1959.)
- University of Oregon Oregon. State Board of Higher Education. Graduate Theses. University of Oregon, Oregon State College, University of Oregon Medical School, 1932/1942
- St. John's University Abstracts of dissertations. v. 1- 1939/1941-
- St. Louis University Publications and research in progress of faculty members and graduate students. 1946/1947- (In its annual report to the president.)
- Agricultural and Mechanical College
of Texas Abstracts of dissertation for the degree of doctor of philosophy. v. 1 (1950) 1940-1955
- Texas Technological College Theses accepted by Texas Technological College. v. 1- 1956-
- University of Utah Abstracts of doctoral dissertations, v. 1- (1959)
- Western Reserve University Bibliography of publications by members of the faculties and abstracts of dissertations by graduate students of Western Reserve University, 1947-
- University of Wyoming University of Wyoming publications, v. 1, 1935-

PUBLICATION, PRESERVATION AND LENDING OF AMERICAN DOCTORAL DISSERTATIONS

The Association of Research Libraries has endorsed publication by microfilm and the publication of an abstract as one means of making dissertations available to scholars and research workers. Publication practices are found in Table I.

Many of the doctoral dissertations written each year are abstracted in *Dissertation Abstracts* and reproduced in full as positive microfilm or as xerographic enlargements printed on paper. Institutions cooperating in this project are listed separately on the inside front cover of *Dissertation Abstracts*. Generally speaking, dissertations of these institutions may be secured direct from University Microfilms.

Graduate schools not requiring the publication of their dissertations will usually lend these on interlibrary loan. Inquiries for such dissertations should be addressed to the holding institution through a reference library.

TABLE I

Practices of Publication and Loan of Doctoral Dissertations

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
Adelphi College	No	No	No	2	Yes	No
The University of Akron	No		No	2	1	
University of Alabama	No	Yes ¹	No	2	Yes	
University of Alaska	No	No	No	2	Yes	
The American University	No	Yes ¹	No	1	No	No
University of Arizona	No	Yes ¹	No	2	Yes	No
University of Arkansas	No	Yes ¹	Yes	2	Yes ⁵	No
Auburn University	No	Yes ¹	Yes	2	Yes	No
Bob Jones University	No		No	2	Yes	
Boston University (School of Education)	No	Yes ¹	No	3	No	

¹ Cooperates with University Microfilms, Inc., Ann Arbor, Mich. For additional information see "Introduction" in issues of *Dissertation Abstracts*.

² Except in Teachers College.

³ Candidates must submit 100 copies of printed abstract.

⁴ If not otherwise published in 2 years.

⁵ If no microfilm copy is available.

⁶ Can usually supply microfilm copy.

⁷ In final examination programs.

⁸ Microcard.

⁹ Up to 1958--yes. Thereafter--no.

¹⁰ Only if out of print.

¹¹ One copy only in school of education.

¹² With 2 weeks' advance notice.

¹³ School of Engineering only cooperates with University Microfilms, Inc.

¹⁴ Photo copies are available.

¹⁵ Two copies of Ed.D. degrees.

¹⁶ Two copies if not microfilmed.

¹⁷ Only in physical sciences.

¹⁸ Only for library purposes.

¹⁹ Requires microfilm publication as of 1959.

²⁰ Only for degree Doctor of Education.

²¹ Until microfilm copies are available (after 4 years).

²² In part. (Abstract.)

²³ Abstracts only.

²⁴ Occasionally in "La Revue de l'Université Laval," "Laval Théologique et Philosophique," Archives de Folklore.

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
Boston University (Graduate School)	No	No	No	1	No	No
Boston University (School of Theology)	No	Yes ¹	No	1	No	
Bradley University	No	Yes ¹	No	2	Yes ⁵	No
Brandeis University	No	No	No	2	Yes	Yes
University of British Columbia	No		No	2	Yes	
Polytechnic Institute of Brooklyn	Yes	No	Yes	1	Yes ⁵	
Brown University	No	Yes ¹	No	1	No	No
Bryn Mawr	Yes	Yes ¹	No	1	Yes ¹²	Yes
The University of Buffalo	No	Yes ¹	No	3	Yes	No
University of California, Berkeley	No	No	No ⁷	1	No ⁸	No ⁸
University of California, Davis	No	No	Yes ⁷	1	No	No ⁸
University of California, Los Angeles	Yes ²²	Yes	Yes	2	Yes	
California Institute of Technology	No		No	3	Yes	
Carnegie Institute of Technology	Yes	No	No	2	Yes	Yes
Case Institute of Technology	No	No ¹	Yes	2	Yes ⁵	No
Catholic University of America	Yes	No	Yes	1	No ⁹	No ¹⁰
University of Chicago	No	Yes	No	1	No	No
University of Cincinnati	No	Yes ¹	No ²	2	Yes ⁵	Yes
The Claremont Graduate School	No	Yes ¹	No	2	Yes	No
Clark University	No	Yes ¹	No	1	Yes ²²	No
Clemson Agricultural College	No	No	Yes	2	Yes	No
University of Colorado	No	Yes ¹	No	1	No	No
Colorado State College	No	Yes ¹	Yes	2	Yes	No
Colorado State University	No	Yes ¹	No	1	No	No
Colorado School of Mines	No	No	No	2	Yes	
Columbia University	No	Yes ¹	No	2	Yes	Yes
Columbia University, Teachers College	No	Yes	No	2	Yes	Yes
The University of Connecticut	No	Yes ¹	No	2	Yes	No
Cornell University	No	Yes ¹	No	2	Yes	No
Dallas Theological Seminary	No	No	No	2	Yes	No
University of Delaware		Yes ¹	No	3	Yes	
University of Denver	No	Yes ¹	No	3	Yes	No
Drew University	No	Yes	No	2	Yes	No
Dropsie College	Yes	Yes	No	2	Yes	Yes
Duke University	No	Yes ¹	No	2	Yes	No
Emory University	No	Yes ¹	No	2	Yes	
Fletcher School of Law and Diplomacy	No	No	No	2	Yes	
The University of Florida	No	Yes ¹	Yes ²⁰	2	Yes	No
The Florida State University	No	Yes ¹	No	2	Yes	No
Fordham University	No ²⁰	No	No ²¹		Yes	
The General Theological Seminary	No		Yes	1	Yes	
George Peabody College for Teachers	No ²³	Yes ¹	Yes	2	Yes	Yes ²³
George Washington University	No		Yes	3	Yes	
Georgetown University	No	Yes	No	1	Yes	
University of Georgia	No	Yes ¹	No	2	Yes	
Georgia Institute of Technology	No	No	Yes	2	Yes	
The Hartford Seminary Foundation	No	Yes ¹	Yes	3	Yes	Yes
Harvard University	No		Yes		Yes	Yes
University of Hawaii	No	Yes ¹	No	2	Yes	Yes
Hebrew Union College—Jewish Institute of Religion	Yes	No	No	2	Yes	Yes
University of Houston	No	Yes ¹	No	1	No	No
Howard University	No	Yes ¹	No	2	Yes	No
University of Idaho	No	Yes		2	Yes	No
University of Illinois (Including Chicago Professional Colleges)	No	Yes ¹	No	2	Yes ⁵	Yes
Illinois Institute of Technology	No	No	Yes	1	Yes	No
Indiana University, School of Business	No	No	No	3	Yes	No

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
Indiana University, Graduate School	No	Yes ¹	No	2	Yes	No
Indiana University, School of Music	Yes	No ¹	No	2	Yes	No
Institute of Paper Chemistry—See Lawrence College						
Institutum Divi Thomae Foundation	No	No ¹	No	3	Yes	
State University of Iowa	No	Yes ¹	No	1	No	No
Iowa State University of Science and Technology	No	Yes ¹	No	2	Yes	Yes
Jewish Institute of Religion—See Hebrew Union College						
The Jewish Theological Seminary of America .	No	No	No	1	No	No
The Johns Hopkins University	No	Yes ¹⁵	No	2	Yes	Yes
University of Kansas	No	Yes ^{1,18}	No	2	Yes	Yes
University of Kansas City	No	No	No	2	Yes	
Kansas State University	No	Yes ¹	No	2	Yes	
University of Kentucky	No	Yes ¹	No	2	Yes ²¹	No
Université Laval	Yes	No	Yes ²⁴	3	Yes	
Lawrence College—Institute of Paper Chemistry	No	No ¹	Yes	1	Yes	No
Lehigh University	No	Yes ¹	No	3	Yes	No
Louisiana State University	No	Yes ¹	No	1	No	No
University of Louisville	No	No	No	1	Yes	No
Lowell Technological Institute	No	Yes	No	2	No ¹⁴	
Loyola University	No		No	2	Yes	Yes
University of Maine	No		No	1	Yes	
University of Maryland	No	Yes ¹	No	2	Yes	
University of Massachusetts	Yes	No	No	1	Yes	Yes
Massachusetts Institute of Technology	No	No	No	1	No	No ⁶
McGill University	No		No	2	Yes	
College of Medical Evangelists	No		No	2	Yes	
University of Michigan	No	Yes ¹	No	1	Yes	No
Michigan State University	No	Yes ¹	No	1	Yes	Yes
Middlebury College	No		No	1	Yes	
University of Minnesota	No	Yes ¹	No	2	Yes	No
The University of Mississippi	No	Yes ¹	No	1		Yes ⁵
Mississippi State University	No	No	Yes	2	Yes	
University of Missouri	No	Yes ¹	No	1	No	
Montana State College	No	No	No	2	Yes	
Montana State University	No	Yes ¹	No	1	No	No
The University of Nebraska (Including Teachers College)	No	Yes ¹	No	2	Yes ⁵	Yes
University of New Brunswick	No		Yes	2	Yes	
University of New Hampshire	Yes	Yes ¹	No	2	Yes	
University of New Mexico	No	Yes ¹	No	2	Yes	No
New Mexico State University	No	Yes ¹	No	3	Yes	No
New Mexico Institute of Mining and Technology	No	Yes	No	3	Yes	
New School for Social Research	No		No	2	Yes	
New York University	Yes	Yes ¹	No	2 ¹¹	Yes ⁵	Yes
State University of New York, College of Ceramics	No	No ¹	No	1	Yes	Yes
State University of New York, College of Forestry	No		Yes	2	Yes	
State University of New York, Downstate Medical Center	No	No	No	3	Yes	No
The University of North Carolina	No	Yes ¹	No	1	Yes ⁵	No
North Carolina State College	No		Yes	1	No	No
University of North Dakota	No	Yes	Yes	1	Yes	No
North Texas State College	No	Yes ¹	No	2	Yes	No

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
Northern Baptist Theological Seminary	No		No	2	Yes	
Northwestern University	Yes	No ¹	No	2	Yes	No
University of Notre Dame	No	Yes ¹	No	2-3	Yes	No
Ohio University	No	Yes ¹	Yes	2	Yes	
The Ohio State University	No	Yes ¹	No	2	No	No
The University of Oklahoma	No	Yes ¹	No	2	Yes	No
Oklahoma State University	No	No	No	2	Yes	
University of Oregon	No	Yes ¹	No	2	Yes	No
Oregon State College	No	Yes ¹	No	2	Yes	No
College of the Pacific	No		No	2	Yes	No
Pacific School of Religion	No ³		No	2	Yes	
University of Pennsylvania	No	Yes ¹	No	2	Yes	Yes
The Pennsylvania State University	No	Yes ¹	No	2	Yes	No
University of Pittsburgh	No	Yes ¹	No	3	Yes	
University of Portland	No	No	No	3	Yes	No
Princeton University	No	Yes ¹	Yes	2	Yes	
Princeton Theological Seminary	No	No	Yes ⁴	2	Yes	Yes
Purdue University	No	Yes ¹	No	1	Yes	Yes
Radcliffe College	No	No	No	2	Yes	
University of Redlands	No	No ¹	No	2	Yes	
Rensselaer Polytechnic Institute	No	Yes ¹	No	1	Yes ⁵	No
University of Rhode Island	Yes	Yes ¹	No	1	Yes	No
William Marsh Rice University	No		No	2	Yes	No
University of Rochester	No	No	No	2	Yes	
The Rockefeller Institute	No		No	2	Yes	
Rutgers University	No	Yes ¹	No	2	No	No
St. John's University	No	No	Yes	2	Yes	
St. Louis University	No	Yes ¹	No	2	Yes	No
St. Mary's College	No	No	No		No	No
St. Mary's Seminary and University	Yes	No	No	5	No	Yes
Smith College	No		No	2	Yes	Yes
University of South Carolina	No	Yes ¹	No	2	Yes	No
Medical College of South Carolina	No		No	2	Yes	
South Dakota State College	No	Yes ¹	No	2	No	
Southern Baptist Theological Seminary	No	No	No	2	Yes	
University of Southern California	No	Yes ¹	No	1 ¹⁵		
Southern California School of Theology	No	No	No	1	Yes	No
Southwestern Baptist Theological Seminary	No	Yes	No	2	Yes	No
Springfield College	Yes	Yes ⁸	No	3	Yes	No
Stanford University	No	Yes ¹	No	2	Yes	No
Syracuse University	No	Yes ¹	No	1	Yes	No
Temple University	No	Yes ¹	No	2	Yes	Yes
The University of Tennessee	No	Yes ¹	No	1 ¹⁶	Yes	
The University of Texas	No	Yes ¹	No	2	Yes	No
Agricultural and Mechanical College of Texas	No	No	No	2	Yes	No
Texas Technological College	No	Yes ¹	Yes	2	Yes	
Texas Woman's University	No		No	2	Yes	
University of Toronto	No	No	Yes	2	Yes	No
Tufts University	No	No	No	2	Yes	No
Tulane University	No	Yes ¹	No	1	No	
Tulane University Medical School	No	Yes	No	2	Yes	No
University of Tulsa	No	No	No	2	Yes	No
Union College and University	No	Yes	No	2	Yes ⁵	No
Union Theological Seminary (New York)	No	Yes ¹	No	1	Yes ⁵	
Union Theological Seminary in Virginia	No	Yes	No	2	Yes	
University of Utah	Yes	No ¹	Yes	2	No	No
Utah State University	No	No ¹	Yes	1	Yes	No
Vanderbilt University	No	Yes ¹	No	2	Yes	No

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
University of Virginia	No	Yes ¹	No	2	No	
University of Virginia, School of Education . . .	No	No ¹	No	2	Yes	
University of Virginia, School of Engineering . .	No	Yes ¹	No	3	Yes	
Medical College of Virginia	No	No	No	1	Yes	
Virginia Polytechnic Institute	No	Yes ¹	Yes	2	Yes	Yes
Washington University	No	Yes ¹	No	1	Yes	
University of Washington	No	Yes ¹	No	2	Yes	
Washington State University	No	Yes ¹	No	2	Yes	
Wayne State University	No	No ¹	No	2	Yes	No
West Virginia University	No		No	2	Yes	No
Western Reserve University	No	No	Yes	2	Yes	
The University of Wisconsin	No	Yes ¹	No	1	Yes	
Woodstock College	Yes	No	No	1	No	Yes
Worcester Polytechnic Institute	No		No	2	Yes	No
University of Wyoming	No	No	Yes	2	Yes	No
Yale University	Yes	No	No	2	No	Yes
Yeshiva University	No	No ¹	Yes	1	Yes	Yes

STATISTICAL TABLES

A ten-year comparative tabulation of doctoral dissertations by subject fields is shown in Table II.

Table III gives an analysis by universities and by subjects for the current year. Such tables were compiled also for the preceding volumes in this series. In the American Council on Education's *American universities and colleges*, 3d ed. (p. 54-75) will be found similar tables for the years 1925-35.

In order to avoid misinterpretations, it must be made clear that the lists in this series are not limited to dissertations written for the Ph.D. degree, but that dissertations written for other kinds of doctoral degrees, e.g. in Education, Science, Jurisprudence, Canon Law and Theology, are also included.

SYMBOLS AND ABBREVIATIONS

† Indicates dissertations accepted prior to academic year covered by this volume, but not previously reported. These titles are not counted in the statistical tables.

* Withheld pending publication.

TABLE II
DISTRIBUTION OF DOCTORATES FOR THE YEARS
1951-1960

	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Philosophy	105	92	131	104	100	96	96	104	123	137
Religion	190	184	206	152	138	140	159	180	184	235
Astronomy	13	13	20	18	17	24	9	23	20	16
Biophysics									18	16
Chemistry	1110	1101	1164	1169	1150	970	1016	1231	1272	1370
Engineering	353	387	395	383	378	572	492	605	668	790
Mathematics	187	204	230	233	249	256	240	245	295	294
Metallurgy	48	73	61	66	75	27	70	1	1	1
Physics	472	503	540	548	528	534	504	529	560	582
Geography	31	33	37	46	52	58	47	60	55	66
Geology	117	115	138	130	131	145	152	162	206	228
Geophysics	13	16	11	20	17	12	2	2	2	2
Meteorology	13	12	15	13	6	7	24	2	2	2
Mineralogy	8	11	9	12	8	9	8	8	16	7
Oceanography									8	7
Paleontology	17	11	17	17	18	6	3	3	3	3
Agriculture	185	147	179	225	216	176	206	345	407	437
Anatomy	31	32	47	42	40	35	26	31	36	31
Bacteriology	238	231	281	329	298	189	119	134	101	97
Biochemistry	301	260	307	322	335	307	205	4	4	4
Biology-Genetics								160	146	196
Botany	108	110	149	144	130	154	164	133	140	151
Entomology	73	87	81	98	99	41	5	5	5	5
Food Technology								31	40	39
Genetics	66	48	60	55	65	89	124	6	6	6
Health Sciences								56	72	152
Horticulture	39	45	66	67	65	114	152	7	7	7
Medicine & Surgery	93	78	69	52	65	29	46	8	8	8
Microbiology									44	49
Pharmacology	71	75	86	96	90	104	67	57	58	68
Physiology	70	116	124	131	130	126	134	144	115	92
Psychology	524	636	676	735	740	727	569	628	687	634
Public Health	21	7	17	9	17	22	23	8	8	8
Zoology	112	155	196	205	190	220	261	284	237	273
Anthropology	59	37	37	53	44	44	62	48	54	63

	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Economics	399	439	408	502	478	429	381	472	462	494
Education	1070	1077	1371	1438	1409	1418	1333	1485	1503	1440
History	251	222	263	289	254	284	330	332	354	375
Home Economics	6	7	4	11	8	10	58	23	16	28
International Law & Relations .	62	38	28	52	49	54	59	9	9	9
Law	23	17	12	13	13	23	22	22	14	16
Library Science	3	6	7	3	7	14	8	19	9	22
Political Science	160	142	196	162	167	203	141	193	226	246
Social Psychology								44	39	76
Sociology	161	175	194	222	228	170	182	175	213	196
Art & Archaeology	39	32	25	31	40	33	35	10	10	10
Biography								7	3	6
Fine Arts								49	41	39
Folklore								2		3
Journalism								8	14	21
Language & Literature, General	6	8	9	15	10	64	183	214	264	254
Language & Literature, Classical	28	39	28	42	36	23	24	29	24	28
Language & Literature, Linguistics							33	59	45	56
Language & Literature, Modern							332	263	250	298
Literature, English	302	279	342	355	345	319	11	11	11	11
Literature, Romance	117	133	144	124	119	148	11	11	11	11
Literature, Germanic	34	44	34	55	30	51	11	11	11	11
Literature, E. European	7	16	14	9	17	11	11	11	11	11
Literature, Oriental	20	24	15	24	19	26	11	11	11	11
Music	38	48	53	62	62	84	89	96	101	138
Speech-Theater	83	96	108	117	130	103	128	109	154	161
Totals	7,477	7,661	8,604	9,000	8,812	8,699	8,363	8,799	9,295	9,927

¹Included in Engineering.

²Included in Physics.

³Omitted as a separate field.

⁴Included in Chemistry.

⁵Included in Zoology.

⁶Included in Biology-Genetics.

⁷Included in Agriculture.

⁸Included in Health Sciences.

⁹Included in Political Science.

¹⁰Included in Fine Arts or History, Archaeology.

¹¹Included in other branches of Language and Literature.

TABLE III
DISTRIBUTION OF
DOCTORATES FOR THE
YEAR 1959-1960
BY UNIVERSITY AND
BY SUBJECT

[illegible]

[illegible]

TABLE III
DISTRIBUTION OF
DOCTORATES FOR THE
YEAR 1959-1960
(Continued)

[illegible]

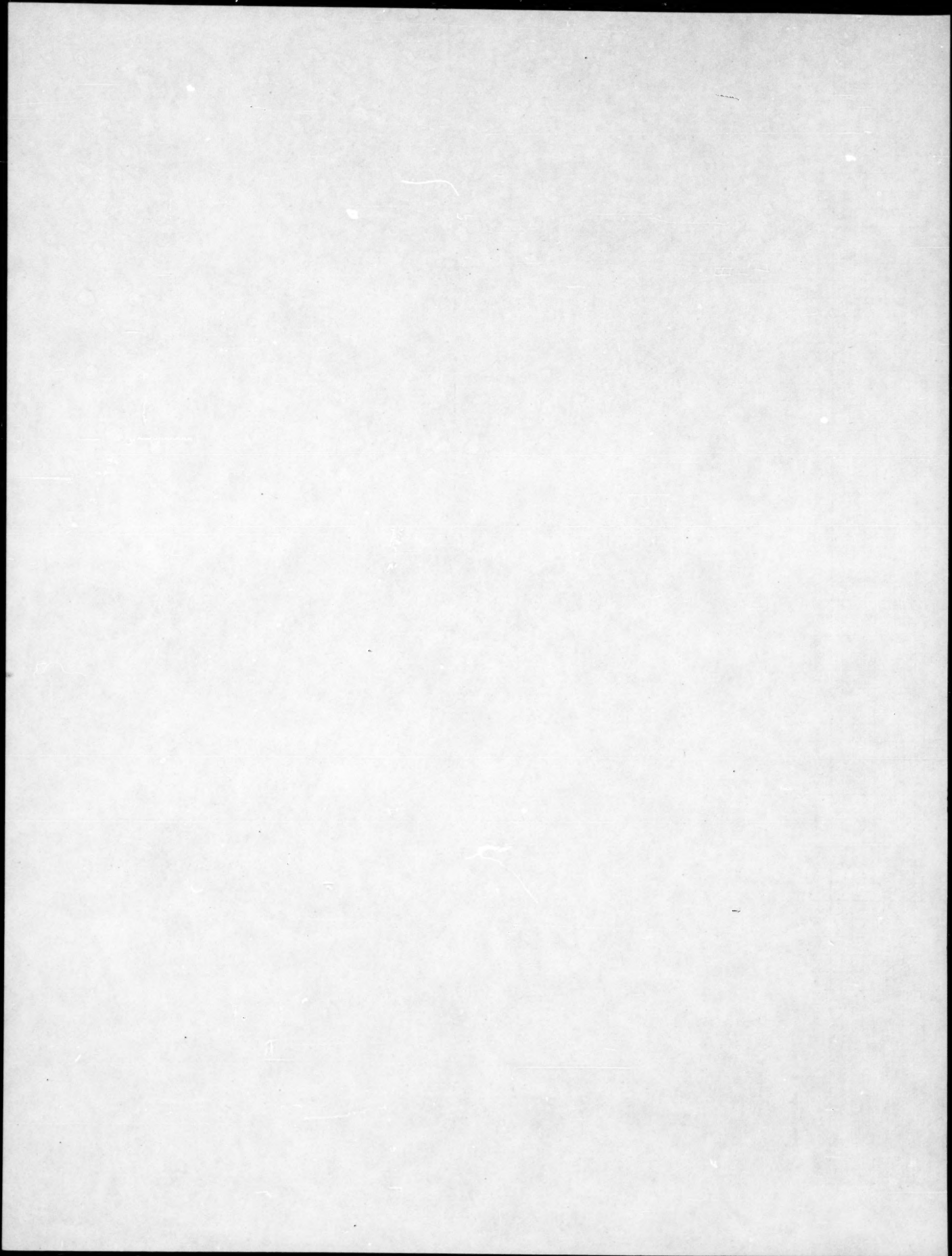
TABLE III
DISTRIBUTION OF
DOCTORATES FOR THE
YEAR 1959-1960
(Continued)

[illegible]

[illegible]

TABLE III
DISTRIBUTION OF
DOCTORATES FOR THE
YEAR 1959-1960
(Continued)

[illegible]



Doctoral Dissertations, 1959-1960

AGRICULTURE

GENERAL

Auburn University

ARNER, Dale Howard. Experimental burning, fertilizing, and seeding on utility line rights of way.

University of California, Berkeley

KLEMMEDSON, James Otto. Influence of pedogenic factors on availability of nitrogen, sulfur, and phosphorus in forest and grassland soils of California.

McMURDIE, John Lewis. Strength of soils under soil moisture suction.

VAN DER WATT, Hendrik van Heerden. The viscosimetric properties of dilute suspensions of clays and clay-organic complexes.

University of California, Davis

BURGE, Wylie Dale. The fixation of ammonia by soil organic matter.

CAMPOS, Lucian Elliot. The effect of temperature and humidity on the weathering of deposits of parathion.

WICHMANN, Robert William. A study of the characteristics of an infectious agent causing synovitis in chickens.

Cornell University

BLACKMORE, Albert Victor. Osmotic swelling and tactoid formation in calcium montmorillonite.

DAUM, Richard Jay. A statistical study of parathion and DDT residues on apples.

KOOB, Derry Delos. A limnological study of some sub-alpine lakes in Colorado.

The University of Florida

DANTZMAN, Charles L. A morphological and genetic study of certain west Florida soils.

NOLAN, Clifford Newell. Factors affecting the movement of potassium in mineral soils.

POPENOE, Hugh. Effects of shifting cultivation on natural soil constituents in Central America.

University of Illinois

KHANNA, Shanti Swarup. A study of the forms of phosphorus in Illinois soils.

TEFERTILLER, Kenneth Ray. Economic optima in freshening dairy cows in north-eastern Illinois.

Iowa State University of Science and Technology

BURROWS, William Chapel. Mulch influence on soil temperature and corn growth.

FRITSCHEN, Leo Joseph. Transpiration and evapotranspiration of corn as related to meteorological factors.

HALLAUER, Arnel Roy. Effects of some selected weather factors on the development and drying of corn grain.

KRENZ, Ronald Dean. Farm size and costs in relation to farm machinery technology.

KNUZE, Raymond John. Soil-plant water and its movement as determined by heavy water analysis.

SIMONSON, Gerald H. Genesis of alluvium-derived soils in the Willow River Valley, Iowa.

Kansas State University

DOANE, Ted H. Inheritance of production traits in beef cattle.

GREIG, JR., James Kibler. Cationic and salinity studies with the sweetpotato.

Louisiana State University

PESSON, Lynn Louis. The development of the criteria for a standard of performance for parish 4-H programs in Louisiana.

TERRY, Jared Young. The role of public opinion in a dynamic system of public secondary education.

Michigan State University

ALLEN, Bonnie L. A mineralogical study of soils formed on basalts in northwestern New Mexico.

BOURNE, Walter Clinton. A study of the morphology and pedogenesis of a medical chernozem developed in loess.

COLOM, Juan. The nitrogen fractionation of a clay treated sandy soil.

HOYT, Carl Charles. Factors influencing acceptability of cartons for egg packaging.

LUCEY, Robert Francis. Effect of frequency and rate of irrigation fertilization and clipping treatment on yield and botanical composition of several forage species.

POLZER, Wilfred Loe. Dielectric properties and high frequency conductance of Wyoming bentonite.

SATYAPAL, K. N. Studies of solid and liquid phosphorus fertilizers in the field, greenhouse, and laboratory.

SCOTT, Thomas Walter. The influence of several physical soil factors on the development and activity of plant roots.

TOBIN, Leslie W. The magnesium status of Michigan soils and the effect of several magnesium sources on the yield and chemical composition of crops.

UEHARA, Goro. Activity measurements in water and clay-water systems.

University of Minnesota

CHO, Chai Moo. Effect of pH upon the charge of clays and cationic distribution around clay particles.

YEO, Richard Russell. The absorption of the sodium salt of 2,4-D on kaolinite, bentonite and cellulose.

Mississippi State University

BARDSLEY, Charles Edward. A chemical evaluation of the sulfur status of Mississippi soils.

University of Missouri

PRASHAR, Dharam Paul. Inheritance of fruit cracking in tomatoes.

The University of Nebraska

ROTAR, Peter Patrick. Cytological behavior in relation to agronomic performance of clones selected at random from Ranger alfalfa.

North Carolina State College

BERG, William Albert. A theory of ion exchange behavior in iron oxide-kaolinite systems.

DAVIDE, Jorge Gelbolingo. Phosphate studies in flooded soils.

LIN, Clara Ju-Yuan. Sorption capacities, ion saturation and neutralization mechanisms of clays and soils.

SHELTON, James Edward. Residual phosphate studies on a piedmont red loam.

The Ohio State University

ATTRI, Surinder Singh. A study of maturity indices for Halehaven peaches.

MILLER, Howard Leland. Procedures for improving the use of publications in the communications process by professional leaders in agricultural education.

The Pennsylvania State University

BUSE, Rueben Charles. The relationship of marketings, prices and costs to marketing margins for farm foods.

HAMILTON, David Aaron. In-service teacher education programs for instruction in farm and home planning with low-income Negro farmers in Tennessee.

KIVLIN, Joseph Edward. Characteristics of farm practices associated with rate of adoption.

McHENRY, Silas Lee. Functions and teaching methods utilized by extension specialists and county agents for the diffusion of poultry production information.

PARKS, Owen W. Contribution of carbonyl compounds to flavor deterioration in dry whole milk.

SAGUIGUIT, Gil Franco. The maximum separation of students into two programs of course work in a college of agriculture by discriminant analysis involving certain selected measurements.

WENNERGREN, Emil Boyd. Economic aspects of bruising in the apple-processing industry, Adams County, Pennsylvania, 1956-1958.

Purdue University

DUTT, Gordon Richard. Diffusion in clay-water systems.

KOLAIAN, Jack Harry. Thermodynamic and freezing properties of water absorbed on Wyoming bentonite.

Rutgers University

FARLEY, William Horace. A pedologic study of the Aura soil.

GRANT, Clarence Lewis. Some factors in the solution residue method of spectrochemical analysis.

HENSEL, Dale Robert. Rate of release of nitrogen and phosphorus from urea-formaldehyde products and urea-formaldehyde coated phosphates.

JENCKS, Everett Milton. The effect of soil application of trace nutrients upon plant yield and uptake of applied nutrients.

LEO, Micah Wei-Ming. The determination of potentially available nitrogen in soils by dilute acid hydrolysis.

MOE, Paul Garland. The agricultural utilization of linseed meal products.

UGOLINI, Fiorenzo Cesare. Soil development on the Red Beds of New Jersey.

Agricultural and Mechanical College of Texas

CLARK, Wayne Walter. Marketing east Texas fruits and vegetables.

DWYER, Don D. Activities and grazing preferences of cows with calves in northern Osage County, Oklahoma.

Utah State University

WIEGAND, Craig Loren. The temperature dependence of drying of horizontal soil columns.

Washington State University

ROWE, Paul Preston. An equation for unsaturated flow based upon the Darcy equation and an analogy of the Poiseuille equation.

West Virginia University

KESSLER, JR., Kenneth James. Comparative physiology of tree wilt fungi.

SHIGO, Alex Lloyd. Mycoparasitism of *Gonatobotryum fuscum* and *Piptocephalis xenophila*.

The University of Wisconsin

AZAWI, Abdulla Flayih. Prevention of *Scolytus multistriatus* transmission of *Ceratocystis ulmi*, the Dutch elm disease fungus by systemic insecticides.

BUOL, Stanley Walter. Clay skin geneses in Wisconsin soils.

BROADBENT, Marden. An analysis of induction training for supervisors in the cooperative extension services of the southern and western regions of the United States.

CAUL, Denio Andrew. Perceptions of the county extension directors administrative role in Michigan.

CHESTER, Gordon. Soil aggregation and organic matter decomposition.

HANEC, William. Adaptations of the European corn borer, *Pyrausta nubilalis* (Hubn.) for winter survival.

HEIKKINEN, Toivo. The influence of boron on the yield, growth, and structure of corn.

HORN, Merlin Edwin. A pedological study of red clay soils and their parent materials in eastern Wisconsin.

HSU, Pa Ho. Transformation of inorganic phosphates in soils as influenced by pH.

KADDOU, Nadheema Salih. Clay mineralogy of some alluvial soils of Iraq and Dubuque silt loam and underlying dolomitic limestone of Wisconsin.

KARSTAD, Lars Herman. Studies on the epizootiology of Eastern equine encephalomyelitis.

PATEL, Raojibhai Mangalbhai. Effect of decomposition products from certain forage crops on tobacco seed germination and seedling growth.

RANTA, Raymond Raphael. The professional status of the Michigan Cooperative Extension Service.

SHANKS, JR., Carl H. Protection of plants from some aphid-transmitted viruses.

STELZER, Milton John. Costa Rican cacao insects: their role in cherelle wilt and effect on yield.

WINTER, Alexander Joseph. Studies on the pathologic physiology of the uterus; The uterine response to experimental infection and the effect on pregnancy of parenteral injections of embryo brei.

ANIMAL CULTURE

University of Arizona

DIVEN, Richard H. Environmental and genetic influences upon hepatic and plasma vitamin A and carotene levels in range cattle.

Auburn University

BARKER, Hal Burnett. Causes of variation in estrual activity of ewes.

DUPREE, Henry Kenneth. Water-soluble vitamins essential for the growth of channel catfish, *Ictalurus punctatus*.

RABANAL, Herminio Ranit. The effect of no fertilization and non-nitrogenous fertilization upon the chemistry of water, the plankton, bottom organism and fish production in ponds that had received complete (N-P-K) fertilizers for the preceding 15-year period.

University of California, Davis

GRINER, Lynn A. Pathological effects of *Clostridium perfringens* type D toxin on tissues of the brain of sheep and mice.

INGKASUWAN, Phaitoon. The effect of light and temperature and their interaction on the semen production of single comb white leghorn males.

MENDEL, Verne Edward. Physiological studies of the rumen with emphasis on the animal factors associated with bloat.

RILEY, Perry Wendell. Observation of some effects of long-term continuous infusion of glucose into sheep.

TOMBROPOULOS, Elias George. The metabolism of specifically labelled glucose in bovine ketosis.

Cornell University

BOWEN, John Metcalf. Effects of insulin on gastro-intestinal motility in the sheep.

CRAWFORD, Robert Field. Some effects of nitrates in forage on ruminant animals.

ELSTON, Robert Claude. The estimation of genetic gain in milk yield due to sire selection over a period of time.

LANGER, Peter Hans. The effects of infectious bovine rhinotracheitis-infectious pustular vulvovaginitis (IBR-IPV) virus on newborn calves from immune and non-immune dams.

LOUW, Gideon Nel. Studies on the growth promoting properties of diethylstilbestrol.

MATHIEU, Leo Gilles. Investigations on the the phosphorus requirement of growing rabbits.

NELSON, Talmadge Seab. A study of the requirement of the chick for vitamin K and of factors affecting the requirement.

NICHOLSON, James William Gordon. A study of the relationships among intrarumen factors and their influence on digestion of a low ash ration supplemented with alfalfa ash.

PICHAICHARNARONG, Ayusa A study of climatic effects on the cardiovascular system, respiratory system, and body temperature of cattle.

RENNER, Ruth Olive Ann. Factors affecting absorbability of saturated fatty acids in the chicken.

STONE, John Bruce. Roughage intake and efficiency of feed utilization in dairy cattle.

The University of Florida

ALSMEYER, Richard Harvey. The relative significance of factors affecting and/or associated with slaughter, carcass and tenderness characteristics of beef.

REYNOLDS, Walter Lamar. Genetic and environmental influences affecting birth weights, weaning data and reproductive performance in beef cattle.

TOMLIN, Don C. Crystallinity of cellulose and digestibility of feedstuff cellulose in the bovine rumen.

University of Illinois

ADAMS, Charles Roger. Rate of ovulation and implantation in swine as affected by dietary factors.

BAKER John Patton. Some aspects of the role of muscle creatine in growth of the young pig.

CLARK, Robert David. The effect of body weight and age at calving on milk production in Holstein cattle.

DAYTON, JR., Edward Walker. Biological and chemical evaluation of corn bred for higher-oil and higher-protein content.

DUDLEY, William Arliss. Phosphorus nutrition of swine.

ESSIG, Henry Werner. Energy utilization and metabolism in the ruminant.

GREENE, Daryle Eugene. Factors influencing the growth of chicks fed crystalline amino acid diets with special reference to a growth stimulating factor in intact proteins.

HARSHBARGER, Kenneth E. Feeding various proportions of ground hay and concentrates to dairy heifers and to dairy cows.

HEUBERGER, Glen Louis. A study of high-moisture field-shelled corn for beef cattle production.

HINDS, Frank Crossman. Studies on the metabolism and physiological action of diethylstilbestrol in ruminants.

HIRONAKA, Robert. The influence of aging on calcium metabolism in rats.

McWARD, Gerald Wayne. Mineral requirements of the chick with special reference to potassium, sodium and magnesium and their interrelationships.

NOTZOLD, Richard Albert. The role of tryptophan in animal nutrition.

SNETSINGER, David Clarence. Amino acid interrelationships in the chick with special reference to the role of glycine and arginine in alleviating amino acid toxicities.

STAUBUS, John Reginald. The effect of fasting, phloridzin, insulin and butyrate on bovine energy metabolism as related to ketosis

WATERHOUSE, Howard Nelson. The glycine needs of chicks fed purified diets containing casein with special reference to glycine, arginine, methionine, and creatine interrelationships.

Iowa State University of Science and Technology

BROWN, Herbert. Colostrum-acquired immunity and active antibody production in baby pigs.

BROWN, Lynn Ranney. Bloat and bloat prophylaxis and their relationship to certain properties of rumen ingesta and blood.

CHAMBERLAIN, Charles Calvin. Some effects of chronic and acute fluoride levels on metabolism and distribution of F¹⁸ in selected tissues of cattle.

COLLINS, Walter Marshall. Factors influencing efficiency of strain comparisons in random sample testing of meat-type chickens.

COX, David Frame. Genetic and environmental factors influencing gain and fatness in swine.

EVERSON, Dale Oscar. Heritability of growth in identical twin heifers.

HOTCHKISS, Donald K. Effect of various diets on milk composition and efficiency of production of dairy cows.

JOHNSON, Richard Harmon. Observations on the etiology, prophylaxis and therapy of pasture bloat.

KING, Richard Patrick. The effects of isovaleric, caproic, heptylic, and caprylic acids as dietary fat sources on the protein and energy metabolism of the rat.

SWIGER, Louis Andre. Optimum length of the feeding period for selection of beef cattle.

TEMPLE, Robert Shelton. Hematological investigation of dwarf and normal beef cattle.

VON KROSIGK, Carl Max. Genetic influence on the composition of cow's milk.

WADELL, Lyle Harry. Biases in estimating repeatability of milk and butterfat production.

WILLHAM, Richard Lewis. Genetic differences in litter size and average litter weight from a polyallel cross of seven breeds of swine.

Kansas State University

JOHN, Russell Edward. A comparison of different preparations of feedstuffs for beef cattle and sheep as measured by total digestible nutrients, digestible energy, and feedlot studies.

McDANIEL, Gayner Raiford. A phenotypic and genetic study of factors affecting male fertilizing capacity in the domestic chicken.

NOBLE, Robert Lee. Some fundamental studies with stilbestrol.

University of Kentucky

CHRISTIAN, Joe Clark. Influence of environmental factors, estrual activity, lactation and reproductive hormones on body temperature of the ewe.

DOWDEN, Donald Ray. Normal intake variation and inhibition of appetite in the bovine by certain intermediate metabolites.

JONES, Hobart Wayne. Hemoglobin, hematocrit and erythrocyte levels in the young pig as influenced by the pre-partum, post-partum feeding regimen of the dam.

ROBERTSON, John Connell. A study of the possible interrelationship between certain minerals and amino acids.

Louisiana State University

DAVIS, Buster Hall. A study of the relationship of protein and energy in caged layer nutrition.

University of Maryland

BLAMBERG, Donald Lee. Studies on the role of zinc in poultry nutrition.

HENNEBERRY, Thomas J. The effect of plant nutrition on the reproductive rate and susceptibility to malthion of two strains of the two-spotted spider mite, *Tetranychus telarius* (L.)

Michigan State University

BLOSS, Ronald Edward. Certain nutrient relationships involved in the supplementation of diets for swine and rats.

FIRST, Neal Lloyd. The fertilizing capacity of frozen ram semen using various diluents and adjuvants.

JACKSON, Robert Howard. Proteins of the homogenized milk fat-globule membrane.

KRAMLICH, William Edward. Separation and identification of beef flavor components.

PHELPS, Richard Arthur. The relationship of magnesium ammonium phosphate to froth production in ruminant bloat.

VARNEY, William York. Factors affecting carcass characteristics of heavy grass and milk fed calves.

WARDEN, William Kent. Intestinal bacterial population in relation to antibiotic growth stimulation in poultry.

YOUNG, Leslie Graham. Production factors and carcass characteristics of fattening calves influenced by rate of grain feeding.

University of Minnesota

ENFIELD, Franklin D. Quantitative inheritance in poultry with special reference to genetic correlations between purebred and crossbred half-sib families.

KOHLER, Paul Harold. *In vivo* testing of chemicals for control of cattle grubs.

LEIGHTON, JR., Alvah Theodore. Effect of light regime-hatch interactions on reproduction of turkey populations.

MISHRA, Hari Raj. The development of a selection index for use in improvement of dual purpose cattle.

PATEL, Narayan Ganesh. Toxicity studies of some proteolytic enzymes to the house fly (*Musca domestica* L.)

REBHAN, Herbert Joseph. The effect of condition on maintenance requirements and a related study of factors affecting creatinine excretion.

REDMAN, Charles Edwin. Estimation of genetic and phenotypic parameters utilizing experimental polyallele matings in poultry.

WILCOX, Clifford LaVar. An analysis of production records comparing dairy sire progeny testing systems in artificial breeding.

University of Missouri

DAVIS, Arthur Varnado. The effect of constant environmental temperatures and relative humidities on feed digestion by lactating Holstein cows.

FOLEY, Charles William. Variations in the physiological response to stress in dwarf and normal beef animals.

MASSEY, John Walter. Physiological and genetic influence of insulin-induced stress on the blood components and their association with rate of gain at various phases of the growth curve in beef cattle.

MILICEVIC, Mike. Response of swine to mechanical and hormonal stress.

STEWART, Gordon Arnold. The effects of physical form of concentrate on the productive characteristics of lactating Holstein and Guernsey cows.

The Ohio State University

CLIVER, Dean Otis. The neutralization of certain enteroviruses by colostrum, milk, and serum and the occurrence of these viruses in dairy animals.

REED, Randall Robert. A study of certain properties of the blood of normal, carrier, and dwarf beef cattle.

Oregon State College

BHANNASIRI, Tim. Haematological study of genetically different lines of growing beef cattle.

CRAMER, David Alan. Effects of selenite upon the chemical nature of tissue abnormalities in white muscle disease of lambs.

MAGILL, Benjamin Fulton. The utilization of baled, pelleted, and wafered alfalfa hay by dairy cattle.

STOUT, Floyd Madison. Aberrant iron metabolism and the cotton fur abnormality syndrome in mink.

The Pennsylvania State University

BEGIN, John Joseph. The influence of cellulose, crude fiber and supplemental energy in the diet of chicks.

Purdue University

MOREHOUSE, Lawrence Glen. Studies of the Newcastle disease virus in tissue culture.

SMITH, William Harold. The zinc requirement of the growing pig and its relation to source of protein.

Rutgers University

LANSON, Raino K. A study of the influence of light and darkness upon the reproductive performance of the fowl.

LEVEILLE, Gilbert A. The amino acid requirements for maintenance in the adult rooster.

South Dakota State College

HOELSCHER, Marcus A. Protein and energy levels for wintering beef calves and effects on subsequent production.

MOORE, Clarence Leonard. Physiological studies on bloat.

Agricultural and Mechanical College of Texas

PRICE, Jack Dean. Effects of various fats, oils, vitamins, tranquilizers, and cholesterol in the diet of the domestic fowl.

Washington State University

RALSTON, Allen Thurman. Some metabolic effects of varying levels of hydroxyzine when fed to beef cattle.

SEALS, Rupert Grant. Some aspects of the dye binding of milk and milk powder proteins.

YOUNG, James Orville. Rennin action on casein and casein fractions.

The University of Wisconsin

ASPLUND, John Malcolm. Some aspects of the nutrition of the baby pig.

SENDELBACH, Anton George. Repeatability of sire provings.

SMITH, Irvin Darrow. Nutritional and environmental influences on swine parakeratosis.

VETTER, Richard Lloyd. I: The effect of calcium and phosphorus supplementation on the resistance of lamb to internal parasite infection. II: Effects of feeding lambs natural versus semi-purified diets on the stomach worm, *Haemonchus contortus*.

University of Wyoming

OXLEY, James W. Possible causes of low fertility in sheep in southwestern Wyoming.

TURNER, Everett E. The bovine metacarpus: a criterion of meatiness.

FORESTRY AND WILDLIFE

University of Arizona

FERGUSON, Charles Wesley. Annual rings in big sagebrush (*Artemisia tridentata*).

HUNGERFORD, Charles Roger. The factors affecting the breeding of Gambel's quail (*Lophortyx gambelii gambelii* Gambel) in Arizona.

Auburn University

ADAMS, JR., William Hensley. Population ecology and management of white-tailed deer in the Choccolocco Wildlife Management Area, Alabama.

University of British Columbia

BLOOMBERG, William Joseph. A critical study of the cankering of certain poplars by *Cytospora chrysosperma* (Pers.) Fr. with special reference to water relations of the host.

MUELLER-DOMBOIS, Dieter. The Douglas-fir forest association on Vancouver Island in their initial stages of secondary succession.

Cornell University

DODDS, Donald Gilbert. The economics, biology and management of the snowshoe hare in Newfoundland.

ERICKSON, Howard Ralph. Muskrat reproduction, growth and movement in small water areas of central New York.

GREEN, John Irving. A study of the conservation activities of rural non-farm residents of Broome County, New York.

PHILLIPS, Richard Edward. Endocrine mechanisms of the failure of Pintails (*Anas acuta*) to reproduce in captivity.

SEIDEL, Donald Russell. Some aspects of the biology of the eastern chipmunk, *Tamias striatus lysteri* (Richardson).

University of Michigan

BEAUFIT, William Richard. Studies of fire and other factors related to Jack Pine regeneration in northern Lower Michigan.

HARRISON, JR., Robert Peyton. The insects and diseases of aspen.

KADLEC, John Adolph. The effect of a draw-down on the ecology of a waterfowl impoundment.

LYON, Leonard Jack. An evaluation of the influences of woody habitat-improvement plantings on pheasants in northeastern Colorado.

SATTERLUND, Donald Robert. Some inter-relationships between ground water and swamp forest in the western Upper Peninsula of Michigan.

SWINFORD, Kenneth Roberts. Relationships between various measurable stand factors and variation in basal area in longleaf-slash pine flatwoods forests of Alachua County, Florida.

WEBSTER, Henry Hickler. An economic analysis of certain stumpage production alternatives in Pennsylvania.

WESTELL, JR., Casey Eugene. The ecology of deer and aspen in Lower Michigan.

Michigan State University

EBERHARDT, Lester Lee. Estimation of vital characteristics of Michigan deer herds.

GENIP, John B. Study of geographic variation in European larch.

GRZENDA, Alfred Richard. Primary production, energetics, and nutrient utilization in a warm-water stream.

MACMULLAN, Ralph Ausin. A population survey of the ring-necked pheasant in Michigan.

NORDEN, Roger Lawrence. An inventory and study of the historical development of the major resources of Marquette County, Michigan.

SKAU, Clarence McClelland. Some hydrologic characteristics in the Utah juniper type of northern Arizona.

University of Minnesota

IRVING, Frank Dunham. A study of the relationship between program and organization in the administration of forest and wildlife resources by the state of Minnesota.

SANTAMOUR, JR., Frank Shavely. The relation between anatomy and inherent growth potential of hybrid poplars.

SKOK, Richard Arnold. Market practices and price formation for farm woodland products sales in northern and southeastern Minnesota.

State University of New York,
College of Forestry at Syracuse University

DAVIDSON, Robert Wheeler. Creep behavior of wood at low stress.

LENEY, Lawrence. The mechanism of veneer formation at the cellular level.

North Carolina State College

HAMILTON, John Robert. Certain wood properties of southern red oak (*Quercus falcata* Michx.) in relation to location within the bole and to environment.

The Ohio State University

GORHAM, John Richard. Fluctuations in aquatic insect populations associated with aerial applications DDT to northern Maine forests.

Oregon State College

DYRNESS, Christen Theodore. Semi-vegetation relationships within the ponderosa pine type in the Central Oregon Pumice region.

Purdue University

BEERS, Thomas Wesley. An evaluation of site index for mixed oak in the central hardwood region.

Agricultural and Mechanical College of Texas

BOX, Thadis W. Relationships between soils and vegetation on four range plant communities on the Welder Wildlife Refuge in south Texas.

MERRILL, Leo Brown. Relationship of germination and growth of curly mesquite (*Hilaria belangeri* (Steud.) Nash) to management practices and natural environment.

SPRINGFIELD, Harry Wayne. Plant responses and cattle gains from different intensities of spring grazing on crested wheatgrass at two sites in northern New Mexico.

Utah State University

BURZLAFF, Donald Frederick. Soil as a factor influencing distribution of vegetation in the sandhills of Nebraska.

GOEBEL, Carl Jerome. Effect of range condition and plant vigor upon the production and nutritive value of forage.

University of Washington

PIERCE, William Rodgers. Dwarf mistletoe and its effect upon the growth of larch and Douglas fir in western Montana.

The University of Wisconsin

GIESE, Ronald Lawrence. An insect complex and defoliation associated with sugar maple *Acer saccharum* (Marshall) and the genesis of maple blight.

Yale University

SOPPER, William Edward. Effects of the forest floor of a red pine plantation on the disposition of summer rainfall.

WARE, Kenneth Dale. Optimum regression sampling design for sampling of forest populations on successive occasions.

PLANT CULTURE

University of California, Berkeley

SOEMARWOTO. The relation of high-energy phosphate to ion absorption by barley roots.

University of California, Davis

DAVIS, Ralph Marshall. Studies of the response to root temperature of shoot growth and nutrient accumulation in young tomato plants.

University of California, Los Angeles

BHAN, Kunwar Chandra. The effect of ammonium and nitrate nitrogen and bicarbonate on cation accumulation by plant roots.

BIELY, Mohamed Ismail. Effect of ammonium and nitrate nitrogen on *in vitro* carboxylation reactions in plants.

HUFFAKER, Ray Carlson. Dark fixation of CO₂ by cell-free homogenates from bush bean roots.

IMPEY, Roy Lennox. Studies on the foliar absorption of urea, and the metabolism of biuret and urea in citrus.

VINES, Herbert Max. Some effects of ammonia on plant metabolism and a possible mechanism for ammonia toxicity.

YOUNG, Roger Holley. Malonate metabolism by bush bean leaves.

Cornell University

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MCONIE, Kenneth Cameron. The fungus *Gnomonia fructicola*: its pathogenicity to strawberry and some factors influencing the formation of the perfect stage in culture.

University of California, Davis

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The University of Nebraska

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North Carolina State College

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Washington State University

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JETT, James Dennis. Ovarian tumorigenesis in inbred mice.

University of California, Berkeley

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University of California, Los Angeles

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University of Chicago

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Columbia University

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University of Illinois
Chicago Professional Colleges

BUNCE, II, Donald Fairbairn MacDougal. Survival of dogs following section of carotid and vertebral arteries.

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University of Maryland

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University of Arizona

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ANICETE, Bienvenido Zabala. A study of the sclerotic ring in birds.

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Utah State University

ALMANDIL, A Razak. Chemical control of spoilage of dates.

Washington University

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AGARWALA, Umesh Chandra. Heteropolytungstonickelates: preparations, properties, and structural considerations.

BRIGGS, Richard Maurice. Part A: The catalytic reduction of N-nitro and N-nitroso compounds; Part B: The reaction of Grignard reagents with tetrazenes.

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EHRLICH, Edna E. The role of banking in Japan's economic development.

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The Ohio State University

CAMERON, Helen Arnold. Taxation of insurance companies in Ohio.

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Princeton University

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Purdue University

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COLEMAN, Alan Brouse. Problems in the financial management of foreign operations.

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Yale University

MACAVOY, Paul Webster. Price formation in natural gas fields.

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The American University

NASEEM, Haneef Ahmed. The economic growth of Pakistan (1947-57)—a critical study in retrospect.

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EDMINSTER, Robert Regan. Money and credit in Mexico, 1920-1940.

FLOYD, Troy Smith. Salvadorean indigo and the Guatemalan merchants: a study in Central American socio-economic history, 1750-1800.

University of Chicago

TIMBERLAKE, JR., Richard Henry. Treasury monetary policies from Jackson to Lincoln.

Cornell University

ROTHSTEIN, Morton. American wheat and the British market, 1860-1905.

Harvard University

CLARK, JR., John. The history of Arkansas Power and Light Company.

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Yale University

MISKIMIN, JR., Harry Alvin. Specie debasement and price movement in France, 1295-1395.

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The American University

TACHINO, Tadami. Aspects of the theory of production and production functions.

Bryn Mawr College

KOVACS, Aranka Eve. The theory of wages in the Ricardian environment.

University of California, Berkeley

CHASE, III, Samuel Brown. The theory of asset prices.

HAINSWORTH, Geoffrey Brian. Classical theories of overseas development.

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Carnegie Institute of Technology

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University of Chicago

KAPLAN, Marshall A. Neoclassical monetary theory.

Columbia University

THANOS, Costas A. Open-market operations: a theoretical and empirical study.

Duke University

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Indiana University

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Massachusetts Institute of Technology

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University of Michigan

DAVID, Martin Heidenhain. Family composition and consumption.

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University of Minnesota

LAW, Jerry McHugh. The development of a classification of market structures for agriculture.

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SAPOSNIK, Rubin. Models for the analysis of capital equipment purchase policies.

University of Nebraska

PARK, John Chong Soon. Value theory and oligopolistic manufacturing industries.

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New York University

MARGOSHES, Sanford Lawrence. Economic theory and entrepreneurial techniques of profit measurement.

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University of Oregon

OKABAYASHI, Toyoki. Measuring the contributions of natural resources to the national outputs of the United States and Japan.

SAHOTA, Joginder Singh. Economic criteria for determination of method of production in Indian agriculture.

University of Pennsylvania

SCHWARTZ, George. Development of marketing theory (an evaluation of certain approaches being used in the development of marketing theory).

Princeton University

CHRISTOPHER, Benjamin Bellows. Industrial agglomeration theory and the agglomerative impact of basic steel mills—two case studies.

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NOREN, James Herbert. The effects of basing point pricing on pricing and location in the steel industry.

ORR, Daniel. Production stability and inventory variation.

SCHUPACK, Mark Barry. A critical evaluation of demand analysis.

SHUPP, Franklin Richard. Programming as a guide to national problems.

STERN, David Harold. Bargaining experiments: an exploratory study.

WHITE, Harrison Colyar. Research and development as a pattern in industrial management: a case study of institutionalization and uncertainty.

Radcliffe College

DESAI, Padma Ramesh. A short-term planning model for the Indian economy.

GROUSE, Judith Ann. Executive compensation and how it is determined: the theory of mutual backpatting.

University of Southern California

WALDROP, Hazel Jean. A study of the major theories of economic development and decline.

The University of Texas

BELOTTI, Lorenzo Mario. The importance of Keynesian 'Dirigisme' and Christian socialism in postwar Italian economic policies.

The University of Wisconsin

HENDERSON, JR., John William. Import competition in manufacturing industries.

MACDONALD, Ronan Gerald. A comparison of the theories of entrepreneurial expectations of Keynes and Schumpeter.

WANG, Sheng Wu. Some fundamental problems of equipment investment planning.

EDUCATION

GENERAL

University of Alabama

BARNARD, Harry Vollie. The relationship of school size and accreditation to certain factors in Alabama's white public accredited six-year secondary schools.

VARDEMAN, Martha Hay. A study of the relationship between size and accreditation of school and certain aspects of the instructional program in public Negro high schools, Alabama, 1958.

The American University

VOGEL, Albert William. A critical study of the major writings of George S. Counts.

University of Arizona

ASHE, John Lawrence. An appraisal of current status, practices and procedures in the use of fiscal agents in relation to school bond issues.

ELWOOD, William Frederick. Value theory in education: a study of the application of an hypothesis for the empirical nature of value to philosophy of education.

GRIESE, Arnold Alfred. The readability of children's literature published in the United States during the period June 1956 through June 1958.

IMPERIO, Rogaciano Calvelo. An evaluation of the effectiveness of denominational influence upon students of Philippine Union College.

KEISTER, Wilbur Darragh. Counselor modification of interview data as determined by post-interview evaluation.

MADDEN, Theodore Martin. The effect of instruction and practice in certain skills through the media of reading and listening upon various aspects of proficiency in reading and listening.

ROWEN, Robert Bernard. The school social worker: an analysis of present training programs in relationship to job functions.

Arizona State University

LLOYD, David O. An evaluative study of guidance counselor certification in the United States.

WOLFSON, Robert G. A study of the effectiveness of a work training employment, medical, control and placement program for epileptic adults.

Auburn University

BRANNAN, Eulie Ross. Extending educational opportunities for the youth and adults of Alabama through the publicly-supported community college.

HENSON, Elbert Curtis. The influence of two field laboratory courses on student progress in a selected county.

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Baylor University

HUFFSTUTLER, Ernest Vaughn. A study of Public Law 874 and its operation in Texas.

Boston College

CASSERLY, Catherine Mary. A study of the senior high school preparation of successful college science students.

POWERS, Francis Patrick. A study of the attitudes of students toward the authority of their teachers.

TRAVERS, JR., John Francis. Differences in religious motivation between delinquent and non-delinquent Catholic boys.

VAILLOT, S.P., Sister Madeleine Clemence. Toward education for commitment: an investigation of student nurses' professional world.

Boston University

CALIA, Vincent Frank. The use of discriminant analysis in the prediction of performance of junior college students in a program of general education at Boston University Junior College.†

DEVITT, Joseph J. The relative importance of United States history concepts in general education programs at the secondary level.†

Bradley University

LITTERST, Milton Rolland. An approach to meeting the educational needs of the gifted.

University of California, Berkeley

HOAG, Jack Durio. Observational study of a kindergarten group using constructional materials.

SEAGRAVES, Kathleen Larsen. Follow-up study of former students in one California community college.

University of California, Los Angeles

ATKINSON, Byron Harry. Attitudinal differences of fraternity and nonfraternity men at the University of California.

DU AIME, Albert William. A study of visual perception.

ELLENWOOD, Theodore Sidney. A study of the Anna S. C. Blake Manual Training School.

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GELB, Donald Lowell. An analysis of the position of reserve teacher to determine its place and value in school supervision.

GMUR, Benjamin C. A comparative study of health education outcomes derived from three curricular patterns in secondary schools.

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REILLY, Mary Agnes. A theoretical basis for planned change in professional education.

RICH, Ruth. Identification of the health education needs of high school students in the Los Angeles city school districts.

RICHARDSON, Charles Everett. Three test instruments for measuring health attitudes of college students.

TIPPETTS, Twain Cropper. Value systems of teachers in creative arts compared with those of administrators and teachers in other areas.

TOMICH, Vera. The legal basis, organization, administration and program of secondary schools in Yugoslavia.

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CODY, F.S.C., Bro. Conall Alfred. Education for secondary school teaching in religious communities of men.

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MCCARTY, Donald J. Motives for seeking board membership.

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EARP, Norman Wesley. The effect of certain study conditions on the achievement of college freshmen.

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THIESSEN, Emil A. A study of reasons given by freshmen for enrolling in college and choosing church-related colleges in Kansas for the year 1958-59.

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FLESCHER, Irwin. Ocular-manual laterality and perceptual rotation of literal symbols.

GOLDSTONE, Richard H. The pariah in modern American and British literature: an illustration of a method for teachers of literature.

GOUREVITCH, Vivian Ducatel Prague. Motivation and social adequacy.

LEIGHT, Gilbert. Comparisons of articulation between young college women and their mothers.

LEPORE, Albert Ralph. Children's use of word analysis techniques.

LOWRANCE, Robert Bruce. The development and application of a method for analyzing the reading interview.

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MITCHELL, Fredric Francis. The Supreme Court of the United States on religion and education.

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SPIEGEL, Joseph. The quality of solution to a tactical field problem as a function of the amount of information elicited by groups and individuals.

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ANDRESS, Robert P. Young Harris College, its development resources, and program.

DIEHL, Heinrich. The influence of tradition upon the character of the comprehensive school in England.

DRISKO, Elliot H. Parent-teenage codes.

MOORE, Wayne Thompson. A study of the organ chorale prelude, 1624-1750, through analysis of representative works.

WISOTSKY, Morris. Marriage adjustment and inter-generational acceptance: the relationship between marital adjustment and acceptance of mother and mother-in-law.

The University of Connecticut

CURTIN, Thomas Patrick. The effect of increased school enrollments on school costs in Connecticut.

FARINELLA, John Thomas. An appraisal of teacher knowledge of phonetic analysis and structural analysis.

PLANTE, Alexander Joseph. An analysis of the plans for post-secondary education of 1959 secondary-school seniors in Connecticut and certain factors which influence these plans.

WELNA, Cecilia Theresa. A study of reasons for success or failure in college mathematics courses.

Cornell University

BAILEY, John Herbert. Conservation projects by community organizations.

GAYLORD, Bruce Arthur. Factors associated with the establishment of a dairy farmer in farming and in his community in New York State.

JONES, Major Boyd. Techniques, methods, procedures and provisions used in selected Maryland public secondary schools in teaching mathematics to rapid learners.

MORRILL, Junius Glenn. A study of factors related to non-participation in extension education programs in the three Oahu extension districts, Hawaii.

RAY, Elizabeth Madeline. Relationship of students' estimates of teacher concern to teaching effectiveness.

SMITH, Clodus Ray. Professional experiences in agricultural education provided prospective teachers of vocational agriculture.

THOMPSON, Evans Guy. The identification of management decisions in farm mechanics needed by farm operators in Virginia.

TUTHILL, JR., Fred Andrew. The use of the merit rating technique for salary purposes for teachers in public schools in the United States.

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CHICK, Robert William. How residents, residence hall officers, and residence hall staff living in university housing perceive the functioning of residence hall student government.

CREECH, Marvin A. The role of the State Department of Education in the Nevada Guidance Services program.

FERGUSON, Donald G. Basic requirements and conditions affecting the pursuit of doctoral degrees in education.

OFIESH, Gabriel Darrow. The history, development, present status, and purpose of the first (introductory) course in psychology in American undergraduate education.

PIERSON, Glen Norvin. The effectiveness of high school rank and scholastic aptitude test scores in predicting academic success of freshman students.

VAN VALKENBURG, Fred R. A follow-up of doctors of education at the University of Denver, 1950-1955.

Duke University

BARKLEY, David Sanford. The legal status of student teaching programs in the United States.

BRACKEN, Charles. The preparation and presentation of public school budget messages in United States cities of 10,000 or more in population.

CALICA, JR., Roman Romeo B. A study of the practices relating to the evaluation of student progress in the public high schools of the Philippines.

CARROLL, Lloyd Gilbert. The status of married students in the North Carolina public high schools.

FLOWERS, John Morgan. A study of selected viewpoints pertaining to science education in the United States.

INSKO, William Robert. A study of women directors of Christian education in the parishes of the Episcopal Church in the continental United States.

JONES, Franklin Ross. The curriculum development in educational administration in eight selected southern institutions preparing school administrators.

SALES, Millard Vance. The status of the public summer high schools in North Carolina.

The University of Florida

LAND, Warren Alonzo. Certain parental feelings toward selected aspects of a university laboratory school.

The Florida State University

HALE, JR., William Harvey. A study of conflicting concepts in secondary education as viewed by principals, superintendents, teachers, school board chairmen, and professors of education in the eleven states of the Southern Association of Colleges and Secondary Schools.

MACAGNONI, Virginia Mary. Community and teacher perception of the school with implications for supervision.

Fordham University

CHOTKOWSKI, F.S.S.J., Sister Mary Sanctia. An investigation of incidental science learnings with a study of their relationship to certain factors.

FAHEY, Sister Mary Ralph. The in-service training of religious secondary school teachers in congregations of women in the United States.

FYLN, S.S.A., Sister Mary Dorilda. A study of the handwriting of sixth- seventh- and eighth-grade children in parochial schools.

SCHILLER, S.L., Sister Mary Philomene. An experimental study of the functional use of certain skills in seventh-grade social studies.

TURNER, Richard T. An appraisal of the practices of twenty-four science consultants operating in the New York City elementary schools.

George Peabody College for Teachers

MOORE, JR., Malvin Earl. A survey of education in the Belgian Congo.

THURMAN, Robert Sylvester. Men teachers in public elementary schools.

TURNER, David Thomas. A study of the classroom use of secretarial help in the public schools of Davidson County, Tennessee.

George Washington University

KIRKBRIDE, Virginia Randolph. Group approaches to student personnel services in higher education.

Harvard University

BOLLER, Betty. American humanism and post-war higher education.

BOURNE, John Ellis. The educational thought of Vincent of Beauvais.

BUECHNER, Alan Clark. Yankee singing schools and the golden age of choral music in New England, 1760-1800.

CHING, Doris Camvone. Evaluation of a program for the improvement of English language ability and reading achievement in Hawaiian bilingual children.

KATZ, Martin Richard. The development and evaluation of a guidance text for eighth or ninth grade.

KAYPAGHIAN, Fiammetta Prota. A study of elementary school girl dropouts and non-dropouts in Addis Ababa—Ethiopia.

LEWIS, Robert Edward. Development and coordination of a program of guidance in the seventh and eighth grades incorporating the technique of group guidance.

LEWIS, Virginia Frances. Development and coordination of a program of guidance designed to motivate the academically able student in a secondary school.

LINDQUIST, Fritz Florentin. A study and implementation of the regional high school concept as a possible solution to the secondary education problem in the Dover-Sherborn school union.

LOHNES, Paul Richard. A comparison of test space and discriminant space classification models.

MADMUD, Satnam. Organization of a program of case development and study in Lahore region, West Pakistan.

MAKAGIANSAR, Makaminan. On indoctrination.

MATTHEWS, Esther Elizabeth. The marriage-career conflict in the career development of girls and young women.

PETROSKI, Joseph John. Coordination of a study of the Sanford High Vocational School.

ROBINSON, Jack Hardy. Effects of teaching with science articles in a college physical science course.

STRAIN, Joseph Hugh. A study and revision of the curriculum of the Evening Division at Suffolk University, Boston Massachusetts.

SULLIVAN, John Daniel. Evaluation of the school program and recommendation of improvements toward the identification and development of academically talented children in the town of Walpole, Massachusetts.

University of Houston

BAKER, Oscar James. Professionalization of the Texas public school business official.

BARBER, William G. An analysis and the estimated revenue from certain nonproperty school taxes in the Gulf coast area of Texas.

BOWERS, Elliott T. Current professional, social, and economic status of bachelor degree graduates of Sam Houston State Teachers College entering teaching, 1953-1957.

FERGUSON, Lloyd Ray. A proposal for a county-wide public junior college for Brazoria County, Texas, designed to serve the particular educational needs of that county.

JACKSON, John Raleigh. Organizing and operating young farmer chapters in Texas.

MOORE, Phelma Moore. A survey of the orientation problems common to entering freshmen in Pan American College for the first semester of the 1958-1959 school year.

POSEY, Katye Lee. Suggested content for the eighth grade social studies program in Louisiana to support the principal objectives of the program as stated by selected teachers and listed by the State Department of Education.

University of Illinois

AMIOKA, Shiro. A study of John Dewey's theory of value and its implications for education.

RAYWID, Mary Anne. Contemporary educational criticism: an analysis and appraisal.

STEININGER, JR., Earl Waldo. Unit teaching practices in the elementary school.

WEINTRAUB, Sam. The effect of pictures on the comprehension of a second grade basal reader.

Indiana University

ARMENT, Hollace Elbert. A study by means of spectrographic analysis of the brightness and darkness qualities of vowel tones in women's voices.

AZIZ, Aziz Shallal. Considerations for the expansion of the audio-visual program in the Iraqi educational system.

BAUMGART, Norbert Karl. An Evaluation of descriptive profiles as a method of predicting academic achievement.

BROOKS, John Wesley Wood. Attitudes and opinions of Negro parents and students concerning Shortridge high school.

CHURCH, Wayne Cleveland. An evaluation of status and functions of research in public schools in cities 50,000 to 250,000 population.

FJELD, Marvin Wendell. A survey and evaluation of music performed in public concerts of Indiana high school bands.

HUNYARD, Robert John. An experimental study in arithmetic and its contributions to the research department of the College of Education, Thailand.

LEE, Anne Marold. A study of married women students at Indiana State Teachers College, 1958-1959.

MANICUR, Alice Roberta. Problem areas and acceptability of student behavior as indicated by residence hall and sorority women at Indiana University.

MANLOVE, Donald C. An appraisal of selected aspects of the Richmond Senior School based upon opinions of parents, pupils, and teachers.

MILLER, Daniel Ludrick. Relationships between certain personality variables of supervising teachers and their student teachers and the ratings given the student teachers.

MURRAY, Merrill Russell. A comparison of selected factors in the precollege experiences of those students who drop out of a technological institution and their classmates who continue.

NELSON, James Conway. Comparison of members and non-members of Greek letter social fraternities and sororities at Virginia State College.

SANTOS, Antusa Perez. A study of the problems faced by foreign students at Indiana University with implications for action.

STAHL, Edgar Elias. The scope, organization, and principles of vocational-technical training in industry.

STEWART, Carl J. An analysis of the guidance organization and services in selected senior high schools in the state of Indiana.

VISHER, Halene Hatcher. A determination of conservation principles and concepts desirable for use in the secondary schools.

WAUGH, Kenneth Wilbert. A study of recommended guidance report information for state departments of education.

WILDY, Charles Henry. A comparison of the acceptability of specified student behavior between students, faculty and student personnel staff of selected institutions of higher education.

The Johns Hopkins University

BROADUS, JR., James M. A study of some of the factors affecting teacher understanding and usage of educational research.

University of Kansas

BABCOCK, Norman Robert. An evaluation of learning experiences especially designed for the teaching of work-study skills at the fifth grade level.

BARTEL, Roy Allen. A comparison of school operating costs of selected Kansas cities of the second class, 1956-57.

CHALENDER, Ralph Evan. A study of the subject content and the teaching procedures used in the unified studies classes in the Shawnee-Mission junior high schools.

CHRIST, Christ Alex. A survey of practices in selected school districts in Kansas pertaining to certain problems associated with school building construction.

CRAVEN, Wayne D. A study of opinions and reactions of pupils concerning certain aspects of the unified studies program of the junior high schools in the Shawnee-Mission high school district.

DAMERON, Joseph D. A study of the science achievement test scores of eighth-grade pupils in selected junior high schools.

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BORGERSON, John Morton. A study of state high school associations leading to development of evaluative criteria for these associations.

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North Carolina College at Durham

FORTE, Minnie Tuten. The development of the graded school in North Carolina since 1868.

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AASE, Donald Alfred. The development of multiple regression equations for the prediction of academic success in elementary accounting at the Chico (California) State College.

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North Texas State College

HART, Joseph Wesley. Family occupational status of elementary public school teachers and differential behavior of teachers toward children of different occupational status families.

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ANDERSON, Gary Robert. An examination of residence hall counseling programs for men in ten selected Midwestern colleges and universities.

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ALTAFER, Clara. Professional preparation and current practices of english teachers in the North Central high schools of Oklahoma.

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MORSE, Carlton Harold. Guidance services in the Negro secondary schools of Georgia.

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STEWART, William E. An evaluation of the development of appreciation for music as it is implemented by the liberal arts college.

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BAUM, Milton Robert. Criteria for a school budget.

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University of Pennsylvania

ACKER, Ralph Stanley. Reading improvement in military, government and business agencies.

COLEMAN, Arthur James Kuscuiski. A survey of the status of teachers in elementary and secondary schools of Liberia and a suggested plan for improving teacher education.

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BENCETIC, Stephen Thomas. Picture preferences of elementary children.

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Rutgers University

EISEN, Irving. Director recommendations for national defense counseling and guidance training institutes.

IRION, Jack Vincent. Organization and administration of the guidance-personnel program in a campus-type high school.

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COYLE, Norma Rita. Vocational interests of hospital corpsmen United States Navy.

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BENTON, Carl Webber. Critical requirements for effective teaching in professional preparation courses in physical education at California state colleges.

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YUEN, Jack. The effects of variable scheduling on the achievement of typewriting skill.

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BELDIN, Horace Otis. A study of selected arithmetic verbal problem-solving skills among high- and low-achieving sixth grade children.

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BROWN, Robert Vernon. Teacher, administrator, school director, and parent opinion regarding non-instructional responsibilities of teachers in selected suburban Philadelphia school districts.

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MILLER, Aaron Ralph. An analysis of the statutes and court decisions effecting school transportation in the United States.

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University of Toronto

SAVAGE, H. W. The manifestation and prediction of authoritarianism in classroom control.

University of Tulsa

BROADHEAD, Fred Cheny. Social adjustment of Tulsa semi-departmental fifth grade pupils: evaluation of the social adjustment in terms of problems of fifth grade pupils from semi-departmental classrooms of the Tulsa public schools.

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MOSS, JR., John R. The comparative status of school district liability for torts in Oklahoma, California, and New York as evidenced by reported court decisions and statutory enactments in these three states: to identify the principles of law affecting the tort liability of school districts in the states of Oklahoma, California, and New York and to compare the status of the three states to principles.

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CLAGUE, William Donald. Teaching personnel for the church related colleges of the south.

GRACE, Cyril Winfield. A study of the problems of Indian-Causasian segregation in a South Dakota community as related to integration in the public schools.

REDFIELD, David Doggett. A comparative study of programs, facilities, and staff of secondary school science departments in Virginia.

RIVES, Ralph Hardee. A history of oratory in the commonwealth of Virginia prior to the War Between the States.

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BOERCKER, Fred Donald. An evaluation of the Washington University introductory physics course as it pertains to the professional training of medical students.

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FARANI, U. M. Saleem Khan. Analysis of factors affecting curriculum planning in Pakistan.

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Wayne State University

AMMERMAN, Albert M. A study of the academic success of Henry Ford Community College graduates transferring to the University of Michigan.

CRAWFORD, Harold Wakeling. Organizational patterns for industrial education programs in selected land-grant colleges.

DAISHER, Nollie Belle Messer. Survey of freshman orientation programs in six publicly supported universities in Michigan and including a review of the development of student personnel services in American higher education with emphasis on freshman orientation.

DELLA-DORA, Delmo. A comparison of the personality of elementary school teachers and secondary school teachers measured in terms of extraversion-introversion and progressive-traditional attitudes.

DOSTAL, Naida M. Audio-visual second-language learning.

EATON, Robert Edward. Learning theory and guidance: three case studies and their implications.

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FOSTER, Thomas Gray. An investigation of the suitability of six reading selections designed for sixth-grade pupils.

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GODBEY, J. Luster. Evaluation of curriculum development practices in selected school systems of Wayne County, Michigan.

GRIEF, Ivo P. An investigation of the effect of a distinct emphasis on creative and critical thinking in teacher education.

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IRWIN, Claire Cook. The doctor of education program at Wayne State University: an appraisal of institutional aims, recipient satisfaction, faculty evaluation, and dissertation quality.

JOYCE, Bruce R. The learner in teacher education: a study of selected aspects of values.

KANZLER, William Harrison. An analysis of the fringe benefit programs of seven large corporations and seven large city school systems.

LEBOW, Mary Ruth. University organization for the undergraduate education of music teachers.

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West Virginia University

WAGNER, William Vaughn. An evaluation of the vocational counseling program of the employment security service in Kanawha County.

The University of Wisconsin

BORSUK, Charles Seymour. A comparative study of persisting and non-persisting students at The University of Wisconsin.

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OLSON, Norman Claire. Setting up basic criteria for improving a business management training program.

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University of Wyoming

ANDREWS, R. Duane. Differential prediction of academic achievement in selected curriculums at the University of Wyoming.

ADMINISTRATION

Arizona State University

FIERMAN, Morton C. Resource units in the holidays and festivals of Judaism for seventh, eighth, and ninth grades in American Reform Jewish religious schools.

HARKINS, Clifton Lee. A study to determine the procedures used in preparing budgets in selected large high schools in southwestern United States.

RIGGS, John Dell. The role of the student personnel administrator in the public junior college.

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University of Arkansas

BLANTON, Milburn Wingo. The effect on resistance to desegregation in selected communities of a tendency toward a cultural status quo as identified by given characteristics.

CLARK, Joe Thomas. The effects of auditory distraction on the learning, retention, and performance of verbal tasks.

DAVIS, Lawrence Arnette. A comparison of the philosophies, purposes and functions of the Negro land-grant colleges and universities with emphasis upon the program of the Agricultural, Mechanical, and Normal College, Pine Bluff, Arkansas.

EDDINS, Ralph. A study of local property tax administration as it related to quality of education in selected Texas school districts.

LEE, Edwin Eugene. School law as interpreted by the Supreme Court of Arkansas.

TIMMONS, James H. A scale designed to assess the relative importance of school board practices.

Auburn University

NEWELL, Annie Laura. A study of instructional awareness of elementary school principals in selected school districts throughout the United States.

OWEN, Annie Seay. The financial needs of the Mobile public schools and potential resources for school support.

SIBERT, Lathem N. A study of the role of the school principal in instructional improvement in the school of Dale County, Alabama.

Boston University

BROWN, Jeremy. An evaluation of the educational program of the Springfield, Vermont, High School.

CLEMENT, Stanley Luther. A technique for evaluating the wearing effect of teaching load factors in senior-high schools.†

DiNARDO, Vincent James. The development and evaluation of an attitude scale around the interpersonal relations role of the elementary school principal.

HALEY, Arthur F. An analysis and critique of the full-time director of admissions in American colleges and universities.

KINGSLEY, Howard Halliday. Communication between the school and home: a study of teacher-pupil-parent reaction to a variety of reporting procedures and techniques.†

MARSH, JR., Frank Eugene. An analysis of failure among university freshmen.

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McHUGH, Loretta M. An evaluation of the effectiveness of a planned kindergarten program.†

ROUISSE, Herbert Alan. An evaluation of the knowledge and understanding of elementary school principals in Massachusetts regarding the legal principles underlying the responsibilities of their position.†

Bradley University

MAPLE, Gilbert Roy. A comparative study of factors in the preparation for the elementary school principalship in Illinois.

The University of Buffalo

HEDDEN, Caryl Gregory. Organizational and administrative adjustments for effective elementary school utilization of in-school telecasts.

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- HALL, Donald Ellis. Discretionary and mandatory provisions of state educational law.
- HURD, Blair Elton. Teacher recruitment in California high schools.
- MILLER, JR., Charles Earl. The county as a unit for the local support of the foundation program for schools in California.
- PHILLIPS, Stuart Samuel. Important actions of the elementary school principal in the improvement of the instructional program.

University of California, Los Angeles

- CARTER, James Swearingen. A critical study of the office management practices of large, selected public high schools.
- LLOYD, James Wheeler. The administration of the orientation and in-service education program for new teachers in the Los Angeles city school system.
- SEARS, Mildred Louise. Criteria for the selection of business teachers in the secondary schools.
- SELLERY, Austin Roy. The in-service education role of the high school principal in a large city system.

Catholic University of America

- FLAHERTY, R.S.M., Sister Mary Rosalia. Patterns of administration in Catholic colleges for women in the United States.

The Claremont Graduate School

- FARNER, Frank. Effect of California school district organization on state equalization aid.

University of Colorado

- ADDIS, Fred G. A historical study of Kansas Supreme Court decisions from 1861-1957 with respect to public school administration.
- BAGLEY, Henry Luther. Public relations in state colleges for teacher education in the United States.
- SMITH, JR., Mark Charles. Administrative problems connected with special programs for gifted pupils in California junior high schools.

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- CHURCHILL, Donald Walter. The effect of certain variables on the probable success of first grade students in selected Colorado schools.
- HUNT, John Joseph. Leaders and non leaders in an educational situation.
- MANN, Aubrey Eugene. The history and development of Eastern New Mexico University.
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WIEBE, Elias Henry. The nature of elementary teacher education in certain liberal arts colleges and universities in California.

Stanford University

ALVA, Charles Allen. Descriptive grammar in the teaching of English: a survey of its extent, use, and status in the public high schools of California.

LARSON, Richard Joseph. The preparation and validation of accreditation schedules and procedures for Seventh-day Adventist secondary schools.

McPHIE, Walter Evan. Factors in the use and value of dissertations in social studies education, 1934-57.

Temple University

BROWN, Roy Allen. A field follow-up study of a selected group of graduates in the elementary curriculum of the State Teachers College, Kutztown, Pennsylvania.

DUNGAN, Roy H. Informational problems of new and beginning teachers in Pennsylvania and the sources of available information.

The University of Tennessee

COOKE, Dan Boy. Quantitative standards for the implementation of qualitative standards in student teaching programs.

NUZUM, Lawrence Howard. Survey of changes in function of the college-controlled laboratory school from 1948 to 1958.

SHARIATMADARI, Ali. The professional preparation of elementary school teachers in Iran.

STOUT, Ralph Edward. A study of the teacher education program at the University of Tampa.

WHITE, Ralph Lee. An analysis of the social studies teachers education curriculum in selected Tennessee institutions.

The University of Texas

ELLIS, Joseph Roberts. Relationships between measures of the professional performance of teachers of the social studies and selected aspects of their preparation.

HUDGINS, JR., Jack William. A critical analysis of the pre-service preparation for music instructors in public junior colleges.

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BURGER, Elizabeth. The use of television for in-service teacher training.

MALLOY, JR., Thomas Aloysius. A historical study of the development of social science programs of elementary-school teacher-training curricula in Massachusetts state normal schools and teachers colleges.

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FLANAGAN, Carroll Edward. A study of the relationship of scores on the Minnesota Multiphasic Personality Inventory to success in teaching as indicated by supervisory ratings.

MIKAIL, Fouad Ragheb. The use of selected audio-visual materials by teachers of vocational agriculture in Wisconsin.

MOCK, Gordon Duane. The development of methods courses in the teaching of mathematics since 1890.

THEORY AND PRACTICE

University of Alabama

WALLEY, Bertha Lee. A study of certain factors reported by teachers as affecting continuity of children's learning experiences in school.

The American University

RITTENHOUSE-MURDOCH, Ruth. An analysis and comparison of daily schedules in today's modern elementary schools with those of the progressive schools of the mid-thirties.

University of Arkansas

HUNT, Burl. An analysis of the influence of summer camp experiences in developing or changing certain behavior patterns of secondary school pupils.

NICKLAS, Merrill Sidney. A comparative study of critical incidents to determine recommended techniques for supervisors of student teachers.

Auburn University

ALDERMAN, JR., Louis Cleveland. An evaluation of the philosophy, role, and function of an institution of higher learning in a cooperative approach toward instructional improvement with fifteen Alabama counties.

Boston University

ALLYN, Charles Vance. The development of a shorthand aptitude test, using recognized shorthand strokes in its construction.

CALLAHAN, Frederic Leonard. Construction and evaluation of a series of exercises to develop organizational ability in children's writing.

CARLSON, Frederic Roy. The design, production, and evaluation of a vocational guidance film on occupations for the Quincy school system.

CARTER, Mary Katherine. A comparative study of two methods of estimating quotients when learning to divide by two-figure divisors.†

CATTERSON, Jane Hunter. Inductive versus deductive methods in word analysis in grade five.

GULO, Eliot Vaughn. The construction and validation of a test of critical thinking for freshman high school students who have completed a course in general science.

GUSHUE, William Joseph. The acceptability of certain principles of secondary education and the implications for Newfoundland education.†

HERBER, Harold L. An inquiry into the effect of instruction in critical thinking upon students in grades ten, eleven, and twelve.

HOLMES, June Elaine. The comparison of four techniques used in presenting test information to freshman students.†

HOWE, F. Virginia. Determination of the relative importance of items of content and practice in radio and television training programs.†

JONES, Annie Lee. Graded study guides for sixth grade social studies.†

KELLEY, Gaylen Berton. An analysis of teachers' attitudes toward the use of audio-visual materials.†

LAWSON, John Herbert. The construction and revision of an arithmetic vocabulary test for grades four, five, and six.†

MALONE, William Howard. The construction and use of a test of physical science as it is offered in the State Teachers Colleges of Massachusetts.

MANNING, John Chorlton. Evaluation of growth in the content subjects of social studies, literature and science in a program of individualized instruction.

McHUGH, Walter Joseph. Pupil team learning in skills subjects in intermediate grades.

McSWEENEY, Miriam Josephine. Word usage techniques in spelling.

ROSEN, Henry. A course of study in audio-visual education based on an opinion poll.†

SANDERSON, Brooks Aymor. A survey of selected practices related to low scholarship in five New England land-grant universities.†

SEIFERT, Eloise Patricia. Personal styles of handwriting in grades six, seven, eight and nine.

SPENCER, Doris Urbana. An evaluation of word study lessons in grade four.†

TAVEL, David Z. A comparative study of secondary school social studies in Peru and Chile.†

TYRELL, JR., John Alfred. A national survey of the opinions of biology teachers as to the most important areas in high school biology and an achievement test in these areas.†

VILLA, Alfred Lawrence. Educational factors that influence the decisions to produce the instructional film.

University of Buffalo

RUF, William Allen. Operative objectives in literature courses as determined by evaluation practices.

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MITCHELL, Audrey Louise. Differences in points of view of elementary-school personnel on social studies issues.

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HANCOCK, Jewell Hazel. The effect of listening and discussion on the social values held by sixth-grade children.

KING, James Hamilton. A critical analysis of experimental doctoral research in teaching secondary school social studies 1941-1957.

WILKINSON, Dee Holden. Analysis of a program for the implementation and evaluation of a language arts curriculum.

Columbia University, Teachers College

ACINAPURO, Philip Joseph. A comparative study of the results of two instructional reading programs: and individualized pattern and a three ability group pattern.

ASTOR, Martin H. A guidance program for the day camps of the Child Service League, Inc.

BAUMAN, Bernice C. Personality characteristics of women who elect a program of educated childbirth as compared to those who do not elect such a program.

BEREZIN, Dorothy F. An inquiry into the temperamental differences of infants noted by their boarding mothers in adoption studies.

BERKES, Fay K. The village institute movement of Turkey: an educational mobilization for social change.

BLAISDELL, Faustena. Problems in the teaching of physiology and anatomy to nursing students in pre-service baccalaureate programs.

BOEHNER, Grace A. College-life problems as an introduction to masterpieces of literature.

BOLIE, Paul Eugene. Technological instruments of communication in small schools.

BREWER, George Edwin. The use of the viola by Haydn, Mozart, and Beethoven in their orchestral and chamber music.

BROWN, Louis. Supplementing the music curriculum of the junior and senior high school through television programming and production.

BROWNING, JR., Wallace E. An analysis of selected physical education textbooks based on current emphases in general education.

BURLESON, Derek L. Developing international understanding: an experiment in the modification of attitudes through contact with people from other lands.

BYRNES, Mary L. Organizational behavior: a case study of the fusion process in a secondary school.

CARLSON, Charles Howard. A study of the secondary music program in selected central schools, of New York State, with 250 or less average daily attendance in grades 7-12.

CHACKO, Valikkodath V. Science and the community: a teacher's sourcebook related to the improvement of living conditions in rural India.

COX, JR., Louis Thomas. Developing guides to help kindergarten teachers meet certain problems encountered in working with children in science at the Lida Lee Tall School.

CRESPI, David Emanuel. A study of the role of early adolescent reality for art education in the junior high school.

DANIELS, Gert L. Occupational choices of former National Science Fair exhibitors.

DODGE, Norman Barnes. Democracy and the education of women: the Colorado Woman's College story.

DOLKEY, Matthew. Proposals for a course entitled "teaching language arts to young adolescents."

DUCKWORTH, Gordon. The organization of an integrated music course for piano majors at the University of Minnesota.

DUNCAN, Ernest R. Arithmetic in the United States and New Zealand.

ELFERT, William. An exploration of sixth-grade pupils' acquisition of word meanings through classroom instruction.

ELWELL, Mary Ardell. A seminar in language arts for fifth year college students at Paterson State College, New Jersey.

ESTABROOK, Penelope. A source book of the indigenous music and dance of India for use in American education.

FAUST, Irvin. As they see it: a casebook of student-centered studies as projected through the author.

FELDMAN, Eli. The effect of an orientation booklet on initial interviews with parents at a psychiatric clinic.

FELTON, Norborn M. L. An investigation of the use of individual science projects in high school physics courses.

FINLEY, Eric Gault. The bi-religious basis of Quebec's public school system: its origins and subsequent development.

FITCH, Harry B. Potential educational values of the select high school choir.

FRANK, Helen. The problem of authority in parent-adolescent relationships.

GOLD, Hilary Alexander. Ideology, leadership and isolation in classroom situations.

GRANT, Morris N. Physics formulas illustrating concepts and processes in mathematics up to calculus.

HAGMAIER, C.S.P., George. Primer of pastoral counseling.

HARRIS, (Julian) Paul. The artist and the university: a study of the role of the artist in higher education in America.

HAYS, William A. A survey of heads of male residence halls viewed in relation to the fulfillment of objectives in higher education.

HERMANOWICZ, Henry J. A film script and description of general characteristics and rationale of proposed core programs for secondary education.

HOLLINGSWORTH, William T. A plan for the improvement of the work-experience program at Berry College.

HOWLEY, Mary Catherine. The treatment of religion in American history textbooks for grades seven and eight from 1783 to 1956.

INCEDIKEN, Fatma. Proposals for improving the curriculum of the Turkish Lise.

JAMMER, M. Charlotte. Patty Smith Hill and reform of the American kindergarten.

- KANESHIGE, Edward. A vocational guidance program for McBurney School.
- KAYNOR, Allen R. College academic achievement above that predicted by tested intelligence.
- KNAPP, Edgar Herbert. Effects of various approaches upon the poetry comprehension of high school sophomores.
- LEE, Roy. A handbook of microprojection for biology teachers.
- MACCORMICK, John E. An experiment in music education for the hospitalized mental patient.
- MAMMARELLA, Raymond J. Contemporary education and the spirit of Zen.
- MARSH, Helen Fern. The case approach to learning more about nurse-patient relationships.
- MARSHALL, William H. An appraisal of selected aspects of a group of cooperative preschools and their value to enrolled children and mothers in Flint, Michigan.
- MCCANN, Carolyn Joan. Pre-departure orientation for foreign students planning study in the United States.
- McCLAIN, Ernest Glenn. A guide to the major clarinet compositions of Mozart, Weber and Brahms.
- McCONKIE, Gwendolyn W. The perceptions of a selected group of kindergarten children concerning reading.
- McFARLAND, Frank Eugene. Student attitudes toward the basic division, Agricultural and Mechanical College of Texas.
- McGEEVER, Margaret C. Utilizing school lunch programs to provide experiences in family life education.
- MELNIK, Amelia. The improvement of reading through self-appraisal; a procedure for teaching reading in junior high school social studies.
- MERGAL, Margaret Z. Structural problems in the written use of English by Puerto Ricans.
- METZKE, JR., Fred W. A proposed plan for a program of art education in Florida.
- MILLS, Lester Conrad. Problem solving methods in science teaching.
- MULLEN, David J. Organizational behavior: a case study of the fusion process in a secondary school.
- MUNARRIZ, Natividad. Acceptance of American culture among students from the Philippines.
- NATHALANG, Ekavit. The role of the Thai elementary school in helping children learn values in a period of rapid cultural change.
- NICHOLS, William C. The minister as a family man: a study of role expectations and behavior.
- NIXON, Arne J. The perceptions of a selected group of kindergarten children concerning reading.
- ONIKI, Shoji G. An exploration of the role of the executive in exercising democratic leadership with the board of directors of a voluntary agency.
- OOLE, Zelma May. Guidance through creative writing on the secondary school level.
- PARKES, J. Charter. An exploration of the teamwork approach in coordinating pupil personnel service programs in Texas public schools.
- PAUL, JR., Henry A. Curriculum revisions for the New Salesianum School of Wilmington, Delaware.
- PEASE, Norman F. A theory of teaching for adult Christian education based upon ideas of Soren Kierkegaard.
- PEISNER, Eugene Owen. Instructional materials for discussing dating with 4-H Club members.
- PFLUGER, Luther W. A study of the opportunities for social learning in the elementary schools of a rapidly growing suburban community on Long Island.
- PICKENS, Alex LeGrand. An international study in art education based on an exhibition of children's art from thirty-seven countries.
- REILLY, Jeanette P. A proposal for a college introductory course in human behavior.
- SCHNAUS, Ernest V. The communicative role of Christian liturgy and Gregorian chant.
- SEHL, Katherine. Guidelines for planning nursing education programs in institutions of higher education in the United States for nurses from abroad.
- SILVERBERG, Edward B. A guide to working with aggressive teenagers in community leisure-time agencies.
- SINDHVANANDA, Kanda. Some examples of semantic discriminations in Bangkok-Thai: a guide to facilitate orientation for speakers of English.
- SMITH, Dorothy W. A plan for teaching the care of adults in an associate degree program in nursing.
- STANSFIELD, James. Art and the integration of personality: a philosophy of art education based on the psychology of Carl Gustav Jung.
- STONE, Adolph. The New York State High School Regents Examinations in social studies.
- STRANG, Julia E. Relating creative art education with learning through the use of graphic and plastic materials.
- STRATTON, Orin Ritzel. A survey of certain aspects of the Presbyterian guidance program of the Presbyterian Church in the United States.
- TILLOCK, Eugene E. The expanding concept of health education in the general hospital.
- UTTON, Alden Campbell. Recalled parent-child relations as determinants of vocational choice.
- VENN, Kenneth. Social work and educational guidance: an approach to the clarification of guidance and social work functions in secondary education.
- WALLENBORN, Alice L. Instructional leadership in schools of nursing: what it is and how to prepare for it.
- WEERTS, Richard K. The interpretations of selected solo literature for the clarinet through the use of recordings.
- WILSON, Delius Eliot. Factors related to the teaching of art in a junior high school in a low socio-economic district of an urban community.
- YOUNG, Dale Ardys. A study of the goals of Milheim College with implications for the student personnel program.
- ZAFFORONI, Joe. A study of pupil-teacher interaction in planning science experiences.
- ZINDLER, Mildred. An approach to form and technique in the creation of wood sculpture.

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- JUDENFRIEND, Harold. A critical analysis of the promotion of the consistency of actions and beliefs of pupils as one aspect of integrating practices in the junior schools.
- KELLOGG, Roberta Meade. An analysis of the achievement of segregated and non-segregated gifted pupils.
- KREVOLIN, Nathan. To develop a basis for achieving the exploration function in the junior high schools of the United States.
- O'LEARY, Helen Frances. An experiment in a small-group plan for spelling instruction the intermediate grades.
- OLIVER, Charles Frank. Practices and procedures used by teachers of agriculture to improve professional relationships.

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- BOULOS, Sami Ibrahim. A course in biology for the senior high schools in Egypt.

The Florida State University

- DOUGLAS, Nancy Jones. A study of the easel paintings of kindergarten, first- and second-grade children in directed and free choice activities.

Harvard University

- SHARAF, Myron Russcol. An approach to the theory and measurement of intraception.

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- FALCONER, George Alexander. A mechanical device for teaching word recognition to young deaf children.
- GRISSOM, Loren Vernon. Programs in the improvement of reading in the secondary schools of Illinois.
- HICKLIN, Charles Rennie. General semantics in high school English: an analysis.

KANE, Robert Bignal. Some effects of beliefs about conclusions of arguments on the ability to judge the validity of the arguments.

LERCH, Harold Hubert. A study concerning the adjustment of arithmetic instruction to certain individual differences.

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PALMER, John Robert. The treatment of social change in high school history textbooks.

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WEIR, Edward Cundiff. An analysis of the role of choice in the teaching-learning process.

WESTMEYER, Paul Henry. Development and preliminary trial of a method of teaching chemistry.

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YU, Yung Juin. A critical examination of Dewey's views on human nature, human behavior, and morality.

Indiana University

HUMPHREY, Robert Dale. The relationship of participation in out-of-school activities to school achievement.

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WINBORN, Bob Burton. The effectiveness of short-term group counseling upon the academic of potentially superior but under-achieving college freshmen.

State University of Iowa

LEWIS, Alice Juanita. An inventory of the auditory and visual discrimination abilities of beginning kindergarten children.

SPARKS, Jack Norman. A comparison of Iowa high schools ranking high and low in mathematical achievement.

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WOLF, JR., William Charles. An evaluation non-pencil-and-paper materials prepared for use in the elementary school arithmetic program.

Louisiana State University

SMITH, William Maurice. The effect of intra-class ability grouping on arithmetic achievement in grades two through five.

University of Michigan

KAZEM, Ahmed Khairy Mohamed. An experimental study of the contribution of certain instructional films to the understanding of the elements of scientific method by tenth-grade high school biology students.

Michigan State University

WICKMAN, Peter M. An exploration into the relevance of methods and the organization of learning experiences to the objective of critical thinking in history of civilizations at Greenville College.

University of Minnesota

CAPPS, Lelon Roger. A comparison of the common denominator and inversion method in teaching division of fractions.

INSKEEP, JR., James Edward. A comparison of several methods of estimating readability of elementary school reading material.

KOEHN, Edna B. The relationship of the basic skill development of sixth grade gifted children to ninth grade achievement in the content fields.

KROMANN, Inga. A comparative study of the speech and auditory characteristics of children with discrepancies between spelling and reading achievement.

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LAREW, Leonor Arce. A study of Spanish articulation in the elementary school: a pilot study.

New York University

BRAIDFORD, Margaret. A comparison of two teaching methods, individual and group, in the teaching of comprehension in beginning reading.

FREUNDLICH, August Ludwig. A study of college art departments in a time of expansion.

HABER, Louis. An experimental study to measure the effective learning in a selected unit of a proposed course of study in an elementary school science program.

HEIMLER, Charles Herbert. A guide for science supervision in the New York Central School.

IZZO, Ruth (Kelley). A comparison of two teaching methods, individual and group, in the teaching of word identification in beginning reading.

ORNSTEIN, Jacob Arthur. Intensifying learning through creative experiences in art and science in the third and fourth grades of the elementary school.

PETTOFREZZO, Anthony Joseph. A comparison of the relative effectiveness of two methods of teaching certain topics in solid analytic geometry to college freshmen.

TAGGART, Gladys Martha. A study of the relationships between the goals of physical education and higher education, with implications for the achievement of these goals at the University of Wichita.

The University of North Carolina

ALFORD, Genevieve Garretson. An analysis of science interests of selected children and an identification of problems encountered by the teachers of these children in science instruction.

BATTEN, James William. An investigation and analysis of laboratory experiences in earth science.

CARAWAY, Sarah Hermine. A study of the program for gifted students in Needham B. Broughton High School, Raleigh, North Carolina.

HOUNSHELL, Paul Barryman. The design and analysis of laboratory experiences in high school chemistry.

Northwestern University

SWICK, Dana F. The value of multi-sensory learning aids in the teaching of arithmetical skills and problem solving—an experimental study.

The Ohio State University

AYLESWORTH, Thomas Gibbons. Problem-solving: a comparison of the expressed attitudes with the classroom methodology of science teachers in selected high schools.

McELHENY, John Richard. Puerto Rico: industrial education, 1948-1958, a descriptive and evaluative report on the program in "operation bootstrap".

PRIBADI, Sikun. In search of a formulation of the general aim of education.

SMITH, Eugene Preston. A developmental approach to teaching the concept of proof in elementary and secondary school mathematics.

YONEMORI, Yuji. Dewey's theory of language and meaning: its philosophical and educational implications.

Oregon State College

PENCE, Don Pollard. Criteria for a system of area education districts for the state of Oregon.

The Pennsylvania State University

ALLISON, Luther William. Inductive vs. deductive method: comparative effectiveness in teaching English grammar to general groups of high school seniors.

BARATTA, Anthony Nicholas. Changes in professional attitudes in a group of Latin Americans participating in a bi-lingual education program.

BURCHILL, JR., George W. Educational needs of adult high school students as determined by tests of achievement.

CONNORS, Robert Edward. Geographic problem solving behavior of eighth grade students in the Warren Beaty Junior High School.

DUKE, JR., Ben Calvin. An analysis of the learning effects of differential treatment upon above- and below-average college students enrolled in a closed-circuit television course.

ENDERS, Donald Earl. Academic achievement in grade six science resulting from supplementary instruction by open circuit television.

MEEHAN, Mary Catherine. The effects on children and their teachers of an in-service education program emphasizing the emotional needs of children.

MOUNTAIN, Mignonette Harrison. Educational games for classroom use.

RABB, Donald Drum. The selection of principles regarded by persons involved in teaching and learning as fundamental for tenth grade general biology.

ROSS, Mildred Elizabeth. Some basic geographic concepts to which elementary students can relate subsequent knowledge.

University of Pittsburgh

McKINLEY, James Ernest. Relationship between selected factors and achievement in a unit on probability and statistics for twelfth grade students.

NUTTALL, JR., Richard Voight. The relationship between several selected factors and success in graduate study in education.

University of Southern California

FITCH, Roy Martin. Vocational level of aspirations in selected high school work experience programs.

McCARTNEY, Hilda M. The selection of instructional materials for elementary schools in California.

OSWALT, Howard Crane. Process and product in art and education with special emphasis on the philosophy of John Dewey.

ROBINSON, Paul V. An experimental study of exhibit arrangements and viewing method to determine their effect upon learning of factual material.

WALLACE, Joseph Samuel. Critical incidents in the assignment of marks to high school students.

Stanford University

GANDY, Willard Eugene. The status of geography in the public senior high school of California.

HOFSTRAND, John Milton. Social science generalizations for use in the social studies curriculum: creating tools, techniques, and social arrangements.

KALLENBACH, William Warren. The guidance competences of the teacher as perceived by three groups: secondary administrators, counselors, and teachers.

SIEMERS, Allan Arthur. World history of selected California high schools.

SUTTHOFF, John. The local-cosmopolitan orientation and participation in school affairs.

YEAGER, Herman Vincent. The Scottish common-sense philosophy as a factor in American education.

Syracuse University

LAUG, George Milton. A study of expressed attitudes of prospective teachers, taking part in practical conservation activities.

WISE, Ernest George. An investigation of the stated reasons why some teachers leave science teaching, where they go, and how they might have been retained.

Temple University

DAVIDOW, Mae Ellen. A study of special instructional techniques for the development of social skills of retarded blind children.

GLATTHORN, Allan Adale. Family life education in the public high schools.

The University of Texas

NESBITT, William Otho. An experimental study of the relative effectiveness on learning in selected high school subjects of the conventional methods and a composite of procedures involving modern educational media in addition to classes of varying sizes, team teaching, and teacher aides.

PENDER, William Madison. Curriculum and instructional problems of the smaller secondary schools for Negroes in East Texas.

SUTTLE, Johnie Earl. The curriculum integration concept applied in primary grades.

WARD, James Merrett. The curriculum integration concept applied in intermediate grades.

Texas Technological College

McPHERSON, Clinton Marsud. The effect of sound motion pictures as measured by differential achievement on the motivation of college freshman chemistry students.

MORLAN, John Edmund. A comparison of theory and practice in the use of the educational film.

Western Reserve University

WINCHELL, Donald Edward. An evaluation of instructional practices in science in the public secondary schools of Ohio.

The University of Wisconsin

GARSIDE, Leonard James. A comparison of the effectiveness of two methods of instruction in high school physics as measured by levels of achievement of students of high and low intelligence.

KEEL, John Siegfried. The writing of Sir Herbert Read and their curricular implications—the aesthetic education of man.

SWANSON, Frederick John. Voice mutation in the adolescent male: an experiment in guiding the voice development of adolescent boys in general music classes.

ENGINEERING

GENERAL

University of California, Los Angeles

AOKI, Masanao. Dynamic programming and numerical experimentation as applied to adaptive control systems.

BAUM, Eric. I: Transient diffusion from a moving spherical boundary. II: An analytical study of the stability limits of perfectly mixed homogeneous flow reactors.

CARLSON, John Gustaf. An analysis of operator improvement phenomena.

CHANDAKET, Prapet. Extensions of the optimum synthesis of nonlinear control systems.

FLOCK, Warren Lincoln. Plasma effects on microwave radiation.

HUFFMAN, John Robert. A storage system for discrete entities.

KELLY, Donald Horton. Systems analysis of the human visual process.

MARGOLIS, Maier. On the theory of process adaptive control systems, the learning model approach.

POWERS, John Burris. Acoustic radiation by a velocity-modulated vortex.

ZUBER, Novak. Hydrodynamic aspects of boiling heat transformer.

California Institute of Technology

GOURDINE, Meredith Charles. On magnetohydrodynamic flow over solids.

HSIEH, Din-Yu. Theory of gas bubble dynamics in oscillating pressure fields.

JACOBS, Theodore Alan. I. An investigation of relaxation processes. II. Studies in combustion.

LAPP, Marshall. I. Emissivity calculations for CO₂. II. Shock tube f-number measurement for OH.

OLFE, Daniel Burrhus. Gas emissivities and radiative transfer studies.

Carnegie Institute of Technology

BROOME, JR., Paul Wallace. The selection of circuit components for optimum network reproducibility.

LAVI, Abraham. Large signal analysis of parametric subharmonic oscillator.

Case Institute of Technology

GUPTA, Shiv Kumar. A theory of adjusting parameter-estimates in decision models.

Catholic University of America

ABDEL-SALAM, Medhat R. The core plan for a proopsed town at Safaga.

Columbia University

FEENEY, George Joseph. The distribution of empty freight cars.

VEINOTT, JR., Arthur F. Optimal ordering, issuing, and disposal of inventory with known demand.

Cornell University

BAXTER, Jack Lawrence. A simulator for a scatter propagation channel.

JENNINGS, Uel Duane. An investigation of oil bearing whirl by electronic-analog computer techniques.

Harvard University

FIERING, Myron B. Statistical analysis of streamflow data.

HUMPHREYS, 2nd, John Sanford. On a circular cylinder in a steady wind.

KULGEIN, Norman Gerald. Coexistent transport processes in a turbulent combustible boundary layer.

LEE, George Fred. Kinetics of chlorination of phenol in dilute aqueous solutions.

MAXWORTHY, Tony. Flame propagation in tubes.

SHORE, Sidney. Two structural optimization studies.

TANKIN, Richard Samuel. A study of radiation from flames.

Illinois Institute of Technology

WESTER, Leon. A method of assembly line balancing.

WICKSTROM, LeRoy A. Modifications and additions to Military Standard 414.

State University of Iowa

RISING, Edward James. The use of minimum cost motion pictures for engineering instruction.

The Johns Hopkins University

CONNOR, Robert Joseph. A hospital inpatient classification system.

GRIFFIN, Marvin Anthony. Operations research in budgeting.

New York University

FOX, Leslie Howard. Principles for designing the high school auditorium.

The University of Oklahoma

PUCKETT, Thomas Henry. The rearrangement of networks.

Purdue University

GLICKSTEIN, Aaron. The development of an integrated production control system through simulation procedures.

PARIKH, Arvind Chandulal. Some theorems and algorithms for finding optimal paths over graphs with engineering applications.

Stanford University

HEEBINK, David Van Driest. A critique of compound interest models used in decision-making for capital budgets.

West Virginia University

HARKARE, Narayan Haribhau. Kinetics of catalytic cracking of para-Cresol.

AERONAUTICAL

Polytechnic Institute of Brooklyn

CRESCI, Robert J. Theoretical analysis of the downstream influence of stagnation point mass transfer.

Brown University

CHEN, Chuan Fang. A theoretical and experimental study of configurations composed of a body under a lifting wing in supersonic flow.

California Institute of Technology

FLEMING, Edward Richard. Non-linear flutter.

GLICK, Herbert Seymour. Modified Crocco-Lees mixing theory for supersonic separated and reattaching flows.

GORECKI, Jacek Piotr. An investigation of temperature fluctuations on bluff bodies.

HUNTER, Herbert Erwin. Application of asymptotic expansion procedures to low Reynolds number flows about infinite bodies of revolution.

MACGILLIVRAY, Dean. Asymptotic solutions for a problem in low conductivity magnetohydrodynamics.

RESHOTKO, Eli. Stability of the compressible laminar boundary layer.

STURTEVANT, Bradford. The effusion of charged particles from a shock heated gas.

Cornell University

LARY, Edmund Charles. A theory of thin airfoils and slender bodies in fluids of arbitrary conductivity.

RAE, William Joseph. Potential flows in the approximation of viscous acoustics.

RING, Leon Edward. Unsteady magnetohydrodynamic flow about thin airfoils.

The Johns Hopkins University

CRIMINALE, JR., William Oliver. Three-dimensional laminar instability.

SIROVICH, Lawrence. On the kinetic theory of steady gas flows.

Massachusetts Institute of Technology

BEANE, Beverly Jane. Supersonic drag characteristics of partial-ring wings.

DUNCAN, Robert Clifton. Guidance parameters and constraints for controlled atmospheric entry.

SCHINDEL, Leon Homer. Some results in magneto-aerodynamics.

SMOLL, Allen Ellwood. Hydrodynamic lubrication of quasi-stationary bearings.

University of Michigan

INGER, George Roe. Dissociation-recombination non-equilibrium in the laminar hypersonic boundary layer.

NICHOLLS, James Arthur. Stabilization of gaseous detonation waves with emphasis on the ignition delay zone.

University of Minnesota

RATTAYYA, Jasti Venkata. Supersonic speed flutter analysis of circular panels with edges elastically restrained against rotation.

Mississippi State University

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- BROWNLOW, Arthur Hume. Serpentine and associated rocks and contact minerals near Westfield, Massachusetts.
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- MILLER, Roy Malcolm. Iso-positional substitution in crystalline substances.
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University of Minnesota

- PALACAS, James George. Geochemistry of carbohydrates.

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- HARVEY, II, Cyril Hingston. Stratigraphy, sedimentation and environment of the White River Group of the Oligocene of northern Sioux County, Nebraska.
- ROLLINS, John Flett. Stratigraphy and structure of the Goajira Peninsula, northwestern Venezuela, and northeastern Colombia.

The University of North Carolina

- ROGERS, Wiley Samuel. Middle Ordovician stratigraphy of the Red Mountain area, Alabama.

Northwestern University

- BURK, JR., Cornelius Franklin. A regional study of the Silurian stratigraphy of Gaspé Peninsula, Quebec.
- SANGREE, JR., John Brewster. Silurian of northern Indiana.
- VISHER, Glenn Shillington. The geology of the moxie pluton, West-Central Maine.

The Ohio State University

- CHRISTOPHER, James Ellis. Geology of the Ohio shore of Lake Erie between Fairport and the Pennsylvania border.

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GOVETT, Raymond W. Geology of Wagoner County, Oklahoma.

KURTZ, Vincent Ellsworth. Stratigraphy and paleontology of the Elvins formation, southeast Missouri.

The Pennsylvania State University

DONALDSON, Alan Chase. Stratigraphy of Lower Ordovician Stonehenge and Larke formations in central Pennsylvania.

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LENZ, Alfred Carl. Devonian stratigraphy and paleontology of Lower Mackenzie Valley, Northwest Territories.

MUTCH, Thomas Andrew. Geology of the northeast flank of the Flint Creek range, Montana.

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HOLMES, Clifford Newton. Jurassic history and stratigraphy of Colorado.

MARINE, Ira Wendell. Geology and groundwater resources of Jordan Valley, Utah.

OLSON, Richard Hubbell. Geology of the Promontory Range, Box Elder County, Utah.

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CHEN, Ping-fan. Geology and mineral resources of the Goose Creek area near Roanoke, Virginia.

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SPEISER, Allen. Adjustment in a sheltered workshop; a study of the relationships of certain social, medical, vocational and attitude factors in the rehabilitation of tuberculous persons.

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BEYRER, Mary Katherine. The significance of current trends in school and college health programs.

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Theses for Doctor of Medicine

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ALTSHUL, Victor Anthony. The effects of lysergic acid diethylamide LSD-25 on the permeability of the blood-brain barrier.

AMES, Alan Williams. A clinico-pathologic study of hemosiderosis in portal cirrhosis.

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BOWNE, Stuart Parker. A study of the components of human complement.

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BUEBENDORF, Donald Philip. An immunological approach to the Schwartzman phenomenon.

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COGLIANO, Francis Dominic. A study of the use of the mammary gland of the male mouse for the assay of prolactin.

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COURTNEY, Jon Earl. The role of movement in sensory isolations.

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DAVIS, John Marcell. Sensory deprivation: the role of visual stimulation and social contact.

- DAVIS, Robert Jay. Studies of 6-azauracil, 6-azauracil riboside and 6-azauracil, deoxy-riboside.
- DOLLINGER, Malin Roy. Studies on the penetration of the blood-brain barrier by cancer chemotherapeutic agents.
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- GOLDEN, Malcolm Gary. A review of catecholamines in the nervous system and a technique for their estimation.
- GOTTESMAN, Maxwell Elliot. The synthesis of RNA from nucleoside triphosphates.
- GRANT, Sylvia Diana. Studies on effects of hormones on melanogenesis and growth of melanomas.
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- JONES, Daniel M. A study of the renal tubular absorption and excretion of glycine and histidine in dogs following the intravenous infusion of concentrated solutions of these amino acids.
- KADEN, William Stephen. A stable line of monkey testicular fibroblasts maintained *in vitro*.
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- KLEEMAN, Frank Julian. The resting potential and fiber size of normal and dystrophic mice muscles.
- KLEEMAN, Susan Emily Thurman. Chronic pyelonephritis at autopsy.
- KUGELMAN, Thomas Peter. A comparative study of albinism, partial albinism, and vitiligo in man with reference to the presence and activity of melanocytes in areas of hypopigmentation.
- LANG, Edward Roberts. Some observations of the ultrastructure of adult mammalian brain cells grown in tissue culture.
- LANOUE, Alcide Moodie. Comparative cytology and cytochemistry of testis.
- LAU, Thomas Joseph. The effect of splenectomy on isohemagglutinin production in the rabbit.
- LINCOLN, Thomas Lennan. An inquiry into pattern as an aspect of life.
- LONGO, Edward Anthony. Chronic cardiac stimulation with special emphasis on the direct and remote methods.
- MARCUS, Robert Lee. The effect of the antimalarial drugs quinacrine, chloroquine and dihydroxychloroquine on *in vitro* immunologic assays and hypersensitivity phenomena in guinea pigs.
- MCCARTHY, JR., Eugene Gregory. Proprioceptive facilitation in the rehabilitation of upper extremity of hemiplegics.
- MILLER, Donald Lee. Sleep deprivation.
- MOLKNER, Kenneth Curt. The effect of ketosis and keto-acidosis on resistance to infection with *Rhizopus oryzae*.
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- MORRILL, Richard Gould. Stress and the stomach—a review and report of the effect of an examination on blood pepsin levels.
- MOYNIHAN, Michael Jerome. An investigation into the phenomenon of lysogeny in *Staphylococcus aureus*.
- NEWCOMB, Allan Walter. Antibiotic therapy of experimental pyelonephritis.
- NICHOLS, JR., Buford Lee. The posterior pituitary and ACTH release.
- OKIN, Joseph Thomas. The effect of unilateral nephrectomy and ACTH on the heart and arteries of albino rats.
- PALACE, Fred Milton. Potentiation of radiation by a vasodilator tolazoline and oxygen in treatment of an experimental tumor.
- POND, Arlington Raddin. Biological behavior of cells arising from a permanent tissue culture of a human glioblastoma multiforme.
- POST, Jerrold Martin. Effects of estrogen upon the behavior of female rats in a stressful situation.
- POWELL, Nancy Rolick. Intra-uterine growth and its relationship to congenital anomalies.
- REITE, Martin Lawrence. Studies on the role of desoxyribonucleic acid in acquired tolerance.
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- SMITH, David Waldo Edward. Particulate iodoproteins and iodine containing particles of thyroid tissue.
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- STARGARDTER, Fred Leopold. The use of serum lipids as an indication of carbohydrate metabolism and diabetic control.
- STEVENS, Charles Franklin. Biological variability in two nerve membranes. Investigations into its nature and significance for theories of excitability.
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- WALLACH, Robert Charles. Mating and pregnancy and the rabbit oviduct.
- WELCH, Brian. The thematic apperception tests of hypomanic and depressed patients.
- WOO, May Yung-Fun. The effect of 353' L-triiodothyropropionic acid on plasma lipids.
- YANKEE, Ronald August. A study of the procedures in the purification of the enzyme urocanase.

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State University of Iowa

- LONGLEY, Mars Yule. Pulmonary deposition of an aerosol as affected by electric charges on the body.

The Johns Hopkins University

- BAHN, Anita Kaplan. A methodological study of the outpatient psychiatric clinic population of Maryland, 1958-1959.
- HARSHMAN, Sidney. Serum Mucoids of man.
- HOBBS, Jesse Harrison. Cytogenetics of *Anopheles albimanus*.
- HOFFMANN, Louis Gerhard. Purification of the first and fourth components of guinea pig complement and studies on their mechanism of action.
- MATHEWSON, Sue Flick. Pituitary gonadotrophic hormones and aggressive behavior in male starlings.
- WILCOX, Jane. A study of observer factors in the measurement of blood pressure.

University of Pittsburgh

- HERTIG, Bruce A. Effects of immersion in water on thermal sweating.

LONG, James Earl. A method for assessing minimal pulmonary edema produced by gaseous deep-lung irritants.

NURSING

Boston University

BUTLER, Herbert John. The role of the psychiatric nurse as perceived by nurses, members of the related disciplines within the mental hospital, and nursing students.

CHIMERA, Nancy P. Physicians' appraisal of responsibilities assumed by general duty nurses.

Indiana University

PERRY, Lucy Caroline. A study of the organization and utilization of audio-visual materials in educational programs in nursing for registered professional nurses with recommendations for improvement.

New York University

BOUCHARD, Rosemary Elizabeth. An investigation of total nursing needs in two general hospitals and one cancer hospital as a basis for determining the kind and amount of nursing personnel necessary to meet these needs.

NUTRITION

University of California, Berkeley

LIS, Elaine Walker. Studies on sex differences in plasma cholesterol and fatty acids under varied dietary conditions.

University of California, Davis

SMITH, John Douglas. The metabolic rate and the distribution of sodium and potassium in rats fed rations low in sodium and/or potassium.

The University of Connecticut

MORSE, Ellen Hastings. Effect of vitamin B₁₂ and ascorbic acid on the utilization of dietary protein in twenty young women.

Cornell University

EMPEY, Elizabeth Louise. Occurrence of kidney calcification in female albino rats fed a diet of milk, alkali and sucrose: The effect of adding magnesium to the diet.

Harvard University

REDDY, William John. Studies on the metabolic role of carnosine, its biosynthesis and the development of a chromatographic technique for its measurement.

State University of Iowa

WEAVER, Christine Pearl. A study of personality characteristics of obese women of two age groups as compared with paired controls of normal weight.

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The Pennsylvania State University

WANG, Marian M. Y. Comparative metabolic response to erythorbic acid and ascorbic acid by the human.

Agricultural and Mechanical College of Texas

RAHMAN, Mohammed Matiur. Selenium, zinc, and vitamin E in the nutrition of chicks.

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PRICE, Richard Walter. Induced alterations of the mucosal basement membrane in the small intestine of hamsters.

The University of Connecticut

HWANG, Jen. Studies on avian encephalomyelitis.

McGill University

GUHA, Amares Chandra. An experimental study of the metastasis of tumours.

University of Minnesota

CLARK, John Jefferson. Experimental porcine leptospirosis.

Northwestern University

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HOSSAINI, Ali Shah Abdul-Wahhab. Leukoagglutinins: a critical review and a new approach to the serological detection of leukoagglutinins.

MURCHISON, Thomas Edgar. Physical, chemical and immunological properties of tetrazotized serum proteins.

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KLEIN, Edward Bernard. Stylistic components of response as related to attitude change.

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WELKOWITZ, Joan. Behavior patterns in group psychotherapy sessions in two Veterans Administration hospitals.

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Cornell University

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The University of Florida

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George Peabody College for Teachers

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Harvard University

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COUCH, Arthur Stephen. Psychological determinants of interpersonal behavior.

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HILDUM, Donald Clayton. Some linguistic measurements and personality.

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MACCOBY, Michael. The game attitude.

MILGRAM, Stanley. Conformity in Norway and France: an experimental study of national characteristics.

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LUCITO, Leonard Joseph. A comparison of the independence-conformity behavior of intellectually bright and dull children.

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State University of Iowa

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DIEM, Philip Cameron. A categorical attitude in social and intellectual situations.

GAMSON, William Anthony. A theory of coalition formation.

HAINES, Donald Bruce. Cooperative versus competitive discussion methods in teaching introductory psychology.

PATCHEN, Martin. The choice of wage comparisons.

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SNOEK, Jaap Diedrick. Some effects of rejection upon attraction to the group.

SOLOMON, Daniel. Influences on the decisions of adolescents.

University of Minnesota

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University of Missouri

NEW, Peter Kong-ming. The application of reference group theory to shifts in values: the case of the osteopathic student.

The University of Nebraska

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New York University

BARKMAN, Paul Friesen. A study of the relationship of the needs for belonging and conformity to religious beliefs and values in a Christian college.

GUGGENHEIM, Fred. Effect of social climate on the learning of mathematics.

SURBER, Grace Pennington. A study of early ward socializing behavior and inter-patient attitudes in relation to improvement of female mental patients.

The University of North Carolina

GALL, Howard Smyer. The development of affiliation motivation.

The Ohio State University

GREENFIELD, Robert Walter. Factors associated with white parents' attitudes toward school desegregation in a central Florida community.

University of Pennsylvania

STOCKING, JR., George Ward. American social scientists and race theory: 1890-1915.

Radcliffe College

HUTTENLOCHER, Janellen. Effects of noxious error signals on human learning strategies.

University of Rochester

LEVISON, Peter Koleman. The effects of sensory deprivation upon stimulation seeking behavior, mood, and attitude structure.

MILLER, Louis. Subjective probability estimates as a function of mood and attitude structure.

REIMANIS, Gunars. Achievement motivation and disparity between life goal and present status.

University of Southern California

SMUCKER, Leonard L. Human encounter, personality types, and implicit theories of personality.

Southwestern Baptist Theological Seminary

HOWELL, John Christian. A Christian approach to contemporary sexual problems.

Stanford University

BRAMEL, Dana Hadley. Some determinants of defensive projection.

Syracuse University

FALCK, Hans Siegfried. Social work in theory and practice: expected behaviors in social casework.

The University of Texas

SLUSSER, Gerald Herbert. Some personality correlates of religious orientation.

Wayne State University

WOLF, Eleanor P. Changing neighborhood: a study of racial transition.

Western Reserve University

BLUM, Arthur. Peer group structure and a child's verbal accessibility in a treatment institution.

NOONEY, James Brunold. Verbal accessibility as determined by perceived similarity and personality.

SOCIOLOGY

GENERAL

The American University

ENTERLINE, Philip Ernest. A study of factors associated with male-female differentials in mortality.

WEARY, Bettina. Occupational differentials in the perceptions and opinions of foreign students.

Boston University

PORTER, Arthur Thomas. The development of the Creole Society of Freetown, Sierra Leone (a study in social stratification and the process of social mobility).

Brown University

STOCKWELL, Edward Grant. Socio-economic mortality differentials in Hartford, Connecticut, and Providence, Rhode Island, 1949-1951: a methodological critique.

University of California, Berkeley

DOBY, Harry Rickard. A study of social change and social disorganization in a Finnish rural community.

PERROW, Charles Bryce. Authority, goals, and prestige in a general hospital.

University of California, Los Angeles

GOULDNER, Helen Beem. The organization woman: patterns of friendship and organizational commitment.

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THURSZ, Daniel. Volunteer group advisors in a national social group work agency.

University of Chicago

BAUM, Bernard H. Decentralization of authority in a bureaucracy.

BOLTON, Charles D. The development process in love relationships.

CARTER, Wilmoth. The Negro main street of a contemporary urban community.

CASSIDY, Sally. Some aspects of lay leadership.

COLEMAN, Richard Patrick. Social class in Kansas City.

CUTRIGHT, Phillips. Party organization and voting behavior.

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LIEBERSON, Stanley. Comparative segregation and assimilation of ethnic groups.

MAUKSCH, Hans Otto. The nurse: a study in role perception.

MEHTA, Surinder K. The labor force of urban Burma and Rangoon, 1953: a comparative study.

MOORE, Joan W. Stability and instability in the metropolitan upper class.

PINEO, Peter Camden. Dyadic and change analysis in a study of marriage and divorce.

REDEKOP, Calvin. The sectarian black and white world.

STANTON, Howard R. The assessment, valuation, and reinforcement of autonomy: an exploration of concern with a critical skill.

STONE, Gregory. Clothing and social relations: a study of appearance in the context of community life.

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WAGER, Leonard Wesley. Career patterns and role problems of airline pilots in a major airline.

WAX, Murray. Time, magic, and asceticism.

Columbia University

BECKER, Dorothy G. The visitor to the New York City poor, 1843-1920: the role and contributions of volunteer visitors of the New York Association for the Condition of the Poor, State Charities Aid Association, and New York Charity Organization Society.

CONNERY, Maurice F. An ecological study of juvenile delinquency in St. Paul.

DEXTER, Lewis Anthony. Congressmen and the people they listen to.

FANSHEL, David. Toward more understanding of foster parents.

GORDON, Joan. The Livingstons of New York 1675-1860: kinship and class.

GUEST, Robert Henry. Organizational change and the successful leader.

HANSER, Charles John. The Royal Commission: guide to social direction.

HOPKINS, Terence Kilbourne. The exercise of influence in small groups.

JOSEPHSON, Eric. Political youth organizations in Europe, 1900-1950: a comparative study of six radical parties and their youth auxiliaries.

KADUSHIN, Charles G. Steps on the way to a psychiatric clinic.

KANDEL, Denise Bystryn. The career decisions of medical students: a study in occupational recruitment and occupational choice.

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MENON, Ammu K. Mahatma Gandhi's contribution to social welfare in India—a study of three major programs.

MORRIS, Robert. Integration of social welfare resources: the dynamics of welfare planning.

MOST, Elizabeth. Casework results among married couples in conflict: a device to measure attitudinal change.

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THOMLINSON, Ralph. A mathematical model for migration.

TOOTELL, Geoffrey Howland. The measurement of value.

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BARNETT, Clifford Robert. An analysis of social movements on a Peruvian highland hacienda.

CHEEMA, Amrik Singh. Community development in India with particular reference to the Bhadson Project.

GRAY, Jack Douglas. Community development as preparation for economic growth in developing countries with particular reference to the Saktigar Program in India.

HODGELL, Murlin Ray. Low-income rural families in an urbanizing society.

KOLAJA, Jiri Thomas. A Polish factory: a case study in workers' participation in decisions in industry.

NYDEGGER, William Frank. Tarong: a Philippine barrio.

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SUTTER, John Orval. Indonesianisasi: a historical survey of the role of politics in the institutions of a changing economy.

WEIGHTMAN, George Henry. The Philippine Chinese; a cultural history of a marginal trading community.

Duke University

MURTY, P. S. K. A sociological study of worker's participation in the joint consultation scheme of Indian industries.

The Florida State University

MILLER, Jerry Lee LaMasney. Occupational choice: the construction and testing of a paradigm of occupational choice for the college graduate.

George Peabody College for Teachers

GAULT, Thomas Gower. Rural land use in Franklin County, Tennessee.

Harvard University

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GODWIN, Joseph Randall. Subregional migration, 1935-40: an analysis of the structure of migrant characteristics across metropolitan and nonmetropolitan migration.

WARD, David Allen. Prison rule enforcement and changing organizational goals.

Indiana University

AUSTER, Donald. The role of business and labor sponsored films in education: a study in mass persuasion.

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CHIEL, Arthur A. Jews in Manitoba.

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University of Kansas City

MASON, Milton Lewis. Carynia: the social class system of an Australian community.

University of Kentucky

O'DONNELL, John A. A measure of retreatism: an empirical contribution to the theory of anomie.

Louisiana State University

BUCKLEW, Reba Muriel. Occupational ideologies and professionalization in social work.

NIX, Harold Lyle. A sociological analysis of the roles and value orientation of an occupation: vocational agriculture teaching.

University of Michigan

FRENCH, David Garfield. Social work and social science: an analysis of their relationship.

JACKSON, Elton Fender. Status consistency, vertical mobility and symptoms of stress.

KUNKEL, John Howard. Nation and peasant communities in Mexico.

SLESINGER, Jonathan Avery. Personnel adaptations in the Federal Junior Management Assistant Program.

Michigan State University

ARCE, Antonio Manuel. Rational introduction of technology on a Costa Rican coffee hacienda: sociological implications.

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FRANCEL, Edward William. Factors associated with the successful outcome of professional training for social work.

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NEUWIRTH, Gertrud Rosa-Maria. Friendship patterns and organizational participation: a study in ambience.

University of Missouri

GADALLA, Mahmoud Saad Soliman. Land reform in relation to social development of the farm population in Egypt.

New York University

CHANELES, Sol. The concert pianist; a study of the social roles and functions of the artist in American society.

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The University of North Carolina

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BOGDANOFF, Earl. Occupational specialization and social mobility.

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University of Notre Dame

BARTA, Russell. The concept of secularization as a social process.

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The Ohio State University

COMINGS, Carolyn Clement. Satisfaction of wife with husband's job.

EVANS, Theodore Quentin. The Brethren pastor: differential conceptions of an emerging role.

LIVELY, Edwin Lowe. A study of teen-age socialization and delinquency insulation by grade levels.

NEAL, Arthur Gale. Stratification concomitants of powerlessness and normlessness: a study of political and economic alienation.

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GILPIN, Sara Ruth. Concurrence in the block plan of social work education.

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JAYEWARDENE, Cleobis Hector Sirinaga. Criminal homicide. A study in culture conflict.

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The Pennsylvania State University

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BROWN, Claude Harold. Personal and social characteristics associated with migrant status among young adult males from rural Pennsylvania.

DRABICK, Lawrence William. Perception of the public school teacher's role as a correlate of social position.

MARKS, Renee Urban. Social status in a Pennsylvania rural community with reference to differentiation in religious values.

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HELFRICH, Margaret Louise. The social role of the executive's wife.

Princeton University

EL KHOLY, Abdo Abdel Rahman. Religion and assimilation in two Muslim communities in America.

ETZKORN, Klaus Peter. Musical and social patterns of songwriters.

ROBINSON, Warren Clayton. Rural-urban fertility differentials in lesser developed countries.

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CARPENTER, George Robert. Cross-cultural values as a factor in premarital intimacy.

NISHIURA, Eleanor Noble. Internal migration in Indiana.

SITES, Paul LaBonte. The impact of the university experience upon students' willingness to accept the advice and opinions of experts.

University of Rochester

JACOBY, Arthur Phillippe. An investigation of instrumental and expressive voluntary associations.

St. Louis University

KOPP, S.N.J.M. Sister Mary Audrey. A study of anomia and homosexuality in delinquent adolescent girls.

ZIMMERMAN, Charlotte Benedict. The meaning of the role of women in a transition from a civilization to a fellaheen social order: a study of continuity and change in the Maya culture.

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BERRY, Paul McCoy. Consensus of role perceptions in a welfare planning council.

FORMAN, Bernard. The effect of differential treatment on attitudes, personality traits, and behavior of adult parolees.

HUBBARD, Harold Gene. The career business executive as a definitive occupational type.

SCOTT, Woodrow W. Interpersonal relations in ethnically mixed small work groups.

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Syracuse University

BAHOU, Victor Samuel. The political drama in America since 1930.

University of Toronto

WATSON, Roy Ernest Love. The Nova Scotia Teachers' Union: a study in the sociology of formal organizations.

University of Washington

GARABEDIAN, Peter George. Western Penitentiary: a study in social organization.

HAYES, Donald Pearce. The effects of six conditions on consensus achievement.

KINCH, John Willard. Certain social-psychological aspects of types of juvenile delinquents.

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LEIK, Robert Kendrick. A probability model for social interaction.

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RHOADS, John Kenneth. Demolay: the origin and development of a secret society.

SMITH, Richard Thomas. A study of the professional role of dentists.

Yale University

KRONICK, Jane Collier. Socio-economic factors affecting the choice of a new residence within Wilmington, Delaware.

LOPREATO, Joseph. Effects of emigration on the social structure of a Calabrian town.

SPREY, Jetse. Occupational choice among New Haven Negro high school students.

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University of California, Los Angeles

SCOTT, Mary Frances Gillespie. The urban three-generation family, role structure and interaction process.

Cornell University

JOHNSTON, Rupert Bernard. A study of farm family goals in Mississippi and some factors associated with their accomplishment.

SWANI, Vimla. Family roles in two generations.

The Florida State University

CAMPBELL, Richard Franz. The effect of a university marriage course on the opinions of students regarding selected areas of marital interaction.

Harvard University

McKINLEY, Donald Gilbert. Social status parental roles.

New York University

GREENWALD, Shirley (Edelman). Family responsibilities of selected working mothers.

The Ohio State University

FRANZ, Jacob George. Social status and masculinity-femininity.

HAWKINSON, William Paul. Sociological aspects of hysterectomy.

KERR, Harold Neely. Infant training practices, family social climates, and personality adjustment.

Oklahoma State University

RIDLEY, Agnes Fenster. An investigation of intergenerational differences in value-attitudes related to food among the matrilineal members of selected families.

Oregon State College

TOWNE, Ruth. Early adjustment of two and three-year-old children in church nurseries under different induction procedures.

University of Pennsylvania

HOSHINO, George Shiro. Relatives' responsibility in Philadelphia County: a study of actions brought in the Domestic Relations Division of the Philadelphia Municipal Court to secure contributions from adult children for the support of their indigent parents.

WERSHOW, Harold J. Familial problems in living with childhood muscular dystrophy: a study of eighteen families, describing the social problems with which they have to cope in caring for their sons who have progressively disabling muscular dystrophy.

Princeton University

RIZK, Hanna. Fertility patterns in selected areas in Egypt.

University of Southern California

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THOMES, Mary Margaret. Parents of schizophrenic and normal children: a comparison of parental attitudes, marital adjustment, role behavior, and interaction.

Washington University

OZAKI, Ronald Hirotohi. A study of certain maternal attitudes influencing mothers' availability to pupil welfare workers.

University of Washington

KALBACH, Warren Edwin. Residential mobility and its implications for family and school adjustment in an urban community.

Western Reserve University

JAFFE, Lester David. Delinquency and impulse control.

The University of Wisconsin

HERMAN, Robert Dunton. Segmentation of bureaucratic and familial roles among business executives.

PUBLIC WELFARE

Boston University

LITWACK, Lawrence. The construction and validation of an instrument for the prediction of recidivism among juvenile delinquents in Massachusetts.

Cornell University

LUBOVE, Roy. The progressives and the slums: tenement house reform in New York City, 1890-1917.

University of Michigan

DARSKY, Benjamin Joseph. The effect of a comprehensive physicians' insurance plan on a community medical care system.

University of Southern California

HILL, William Gilliam. Federal grants to the states for community mental health services with special reference to some western states.

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Harvard University

TAEUBER, Karl Ernst. Residential segregation by color in United States cities, 1940 and 1950: a comparative analysis.

VAN DEN BERGHE, Pierre Louis. The dynamics of race relations: an ideal-type case study of South Africa.

New School for Social Research

GOLDMAN, Morris Michael. The sociology of Negro humor.

New York University

JAN, George Pokung. Nationality and treatment of overseas Chinese in southeast Asia.

University of South Carolina

PITMAN, Dorothy Elizabeth. Reactions to desegregation: a study of Negro mothers.

The Ohio State University

GOMILLION, Charles Goode. Civic democracy in the South.

LEWIS, David Trevor. An empirical study of Jewish identification: the relationship between the home life of eighth-grade Jewish boys and their adjustment in the public schools of Cincinnati, Ohio.

University of Pennsylvania

TOMASSON, Richard Finn. Patterns in Negro-white differential mortality, 1930-1956.

University of Pittsburgh

STALEY, Austin John. Interracial marriage in Brazil.

Wayne State University

FULTON, Robert Lester. Russel Woods: a study of a neighborhood's initial response to Negro invasion.

SOCIOLOGY, SOCIALISM, COMMUNISM, ANARCHISM

Harvard University

KASSOF, Allen Howard. The Soviet youth program: socialization in a totalitarian society.

University of Minnesota

HERRESHOFF, David Sprague. Americanizers of Marx.

University of Southern California

TSCHEKALOFF, Natalia Leo. Social changes in selected institutions of the U.S.S.R. with special reference to the family.

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University of Colorado

BROOKS, Roger Leon. Matthew Arnold's poetry 1849-1855: an account of the contemporary criticism and its influence.

University of Denver

ALM, Ross Creighton. Langer of North Dakota: a rhetorical study of selected speeches.

BALSLEY, Daisy Fullilove. A descriptive study of references made to Negroes and occupational roles represented by Negroes in selected mass media.

CLIFFORD, Sylvester. A study of individualism as shown by analysis of speeches on selected farm relief bills in the United States House of Representatives 1929-1933.

DREIER, John Tucker. Original designs for three plays.

FITZPATRICK, Joseph Alan. An investigation of the body image in secondary stutterers revealed through self-drawings.

JACQUOT, Willard Snide. An investigation into the hearing of brain-injured children for pure tone and for speech.

KLEIN, Albert Roger. Three original plays.

RENEAU, John Pinson. Observations of induced abnormal auditory adaptation in acoustic trauma.

VAUGHN, Gwenyth Ruth. An investigation of the developmental aspects of certain language skills in a group of institutionalized mentally deficient subjects.

WALRAFEN, Donald Eugene. An investigation of certain physiological reactions to "religious" symbols.

WESTOVER, Leone Mildred. A study of the semantic orientation of inexperienced and experienced public speakers.

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BATTIN, Rosabell Ray. A study of the comparative effectiveness of two methods of presenting to parents information relative to speech and language development in the preschool child.

DORNÉ, William Padgett. The comprehensibility of the speech of representative sixth-grade Negro children in Lee County schools, Alabama.

KEARNEY, Kevin Emmett. Speaking in Florida on the issues of presidential Reconstruction, 1865-1867: a rhetoric of reunion.

KEENAN, Joseph Sessions. A X-ray study of unrepaired, incomplete cleft palate oral-pharyngeal structures and their functioning during vowel phonation.

KNOBELOCH, F. X. Calvin. An X-ray study of unrepaired, complete cleft palate oral-pharyngeal structures and their functioning during vowel phonation.

REYNOLDS, William Martin. Deliberative speaking in ante-bellum South Carolina: the idiom of a culture.

SHIRLEY, Franklin Ray. The rhetoric of Zebulon B. Vance: Tarheel spokesman.

STATHAM, Charles McCorkle. The application of prevailing principles of elocution to theatrical criticism of American acting: 1815-1840.

Harvard University

HEIMERT, Alan Edward. American oratory: from the great awakening to the election of Jefferson.

University of Illinois

BRENTLINGER, William Brock. The Aristotelian conception of truth in rhetorical discourse.

DAVIS, Robert Edward. The characteristic parliamentary practices of the fourth party.

MORGAN, James Oliver. French comic opera in New York, 1855-1890.

Indiana University

KUSSROW, JR., Van Carl. On with the Show: a study of public arguments in favor of theatre in America during the eighteenth century, designed to show the relevance of the arguments to the philosophies and beliefs directing American life during that century, the variety and emphases of the arguments offered, and the quantity of material set forth by the advocates of theatrical performances.

RINTELMANN, William Fred. Changes in the articulatory responses of pre-school children traced through four successive six-week periods.

SNOW, Katherine M. A descriptive and comparative study of the articulation of first grade children.

SWART, John Carroll. Auditory threshold variability: frequency, intensity step, and descending versus ascending series.

State University of Iowa

BARNES, Teddy John. An investigation of the relationships between certain personality traits and elements of speaking effectiveness.

BRIEN, Lois Anne. Phonetic elements and perception of nasality.

FARR, Cleburne Loyd. A rhetorical analysis of selected addresses by Robert Maynard Hutchins.

FISHER, Walter Ray. An analysis of the arguments in the Senate debate on the Crittenden compromise resolutions, 1860-61.

KRAUS, Sidney. An experimental study of the relative effectiveness of Negroes and whites in achieving racial attitude change via kinescope recordings.

KUIPER, John Bennett. An analysis of the four silent films of Sergei Mikhailovich Eisenstein.

METTEN, Charles Leo. The development in America of theories of directing as found in American writings, 1914-1930.

MOLL, Kenneth Leon. The use of cinefluorography in speech research: a methodological study.

OLBRICHT, Thomas Henry. A rhetorical analysis of representative homilies of Basil the Great.

STOICHEFF, Margaret Love. The effects of motivating instructions on the language performance of dysphasic subjects.

THAYER, David Lewis. A study of the influence of conventional film lighting on audience response.

YOUNG, Martin Allen. Predicting severity of stuttering.

Louisiana State University

HALL, Lillian Jones. A historical study of programming techniques and practices of radio station KWKH, Shreveport, Louisiana: 1922-1950.

MELE, Joseph Charles. A description and analysis of the speaking in the Louisiana anti-lottery movement.

PARKER, Charles A. A study of the preaching at the Ocean Grove, New Jersey, Camp Meeting, 1870-1900.

ROBERTS, Mary Margaret. The New York legislative campaign speaking of Governor Charles Evans Hughes, 1907-1910.

SANDLE, Floyd Leslie. A history of the development of the educational theatre in Negro colleges and universities from 1911-1959.

University of Michigan

BUNDY, Edward Wayne. An experimental study of the relative effectiveness of television presentational techniques and conventional classroom procedures in promoting initial comprehension of basic verb concepts in elementary Spanish.

BURGIN, Richard James. Valentine Windt: the artist as teacher.

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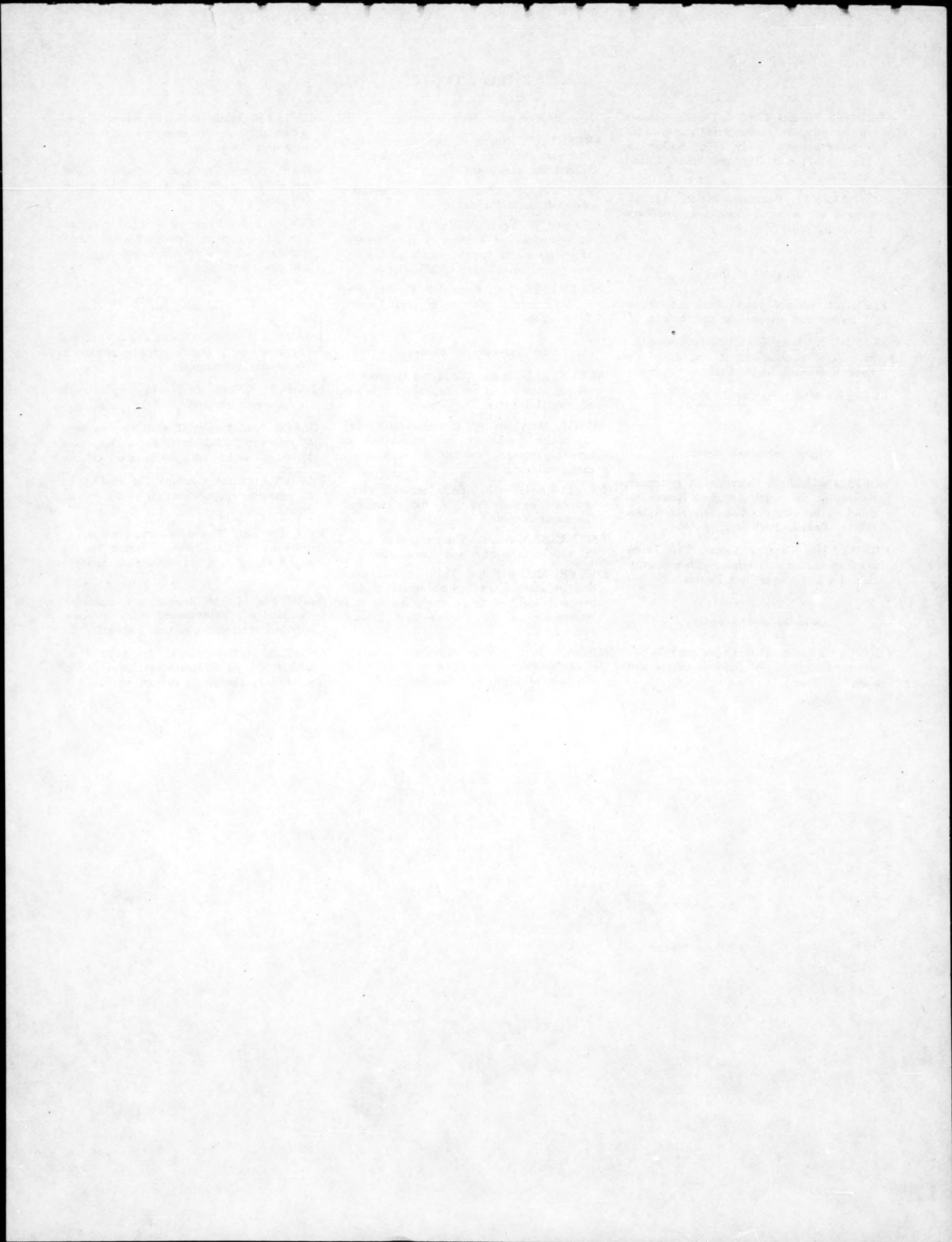
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